

General Information

Message From the President

Welcome to West Virginia Northern Community College! You have come to the right place to make your mark on the world.

Our college has been a valuable community resource for the past 50 years. We serve students of all ages and backgrounds. Whether you are the first in your family to attend college or are from a long line of college graduates, if you are participating in one of our workforce development programs or you are pursuing an associate degree -- you belong here.

Many students come to Northern to earn an associate degree. Some enroll in the initial two years of a bachelor's degree here then transfer to a university to complete the remaining two years. Many others seek a one-year certificate in career training to develop skills and enter the workforce as our community's skilled energy workers, nurses, first responders, chefs, teachers, accountants, business leaders, entrepreneurs, and more. Many high school juniors and seniors enroll in our early access courses earning college credits while in high school - saving money and shortening their path to a degree. Still others take courses for personal enrichment, to learn and to grow personally.

As the compass in our logo indicates, we are here to help you navigate your life's journey. Is your ultimate goal a bachelor's degree? Northern is the ideal place to start as we have a number of programs that transfer to four-year colleges and universities. We have many 2+2 agreements with regional institutions that streamline the transfer process and can save you tens of thousands of dollars. By starting at Northern and taking advantage of these transfer opportunities, you can stay home, save money, and possibly continue working while completing your degree at Northern.

If you are seeking workforce training or an industry certification that prepares you for immediate employment or for career advancement, we have that too. Northern has workforce training programs to prepare you for a career in health care like CNA and phlebotomy, business, applied and industrial technology, information technology, cyber security, EMT/paramedic, criminal justice, human services, culinary arts, CDL Class A & Class B, and more.

Affordability is an important consideration when navigating higher education. Northern is listed in the U.S. Department of Education's List of Top 100 Community Colleges for Lowest Net Tuition in the nation. For the past several years, we have been the most affordable community college in the State of West Virginia. In addition, our Financial Aid Office stands ready to assist you in identifying and applying for federal financial aid, West Virginia Invests, and other private scholarship opportunities. Through our foundation, Northern also offers a variety of privately funded scholarship opportunities.

Looking for classes conveniently located in the Northern Panhandle? Northern has you covered with campuses conveniently located in Weirton, Wheeling, and New Martinsville. All three of our campuses are attractive and equipped with the latest instructional technologies.

Do you have work or family responsibilities requiring flexible scheduling? Northern can help with a wide variety of on-line courses and programs.

As you navigate your college experience, you'll discover amazing faculty and staff here at Northern who are committed to your success. Northern has excellent faculty who are experts in their fields, and many faculty have years of professional experience that enables them to connect the classroom to the work environment. Our friendly staff on all three campuses care about you and are here to help you succeed.

We are glad you chose Northern, and we look forward to helping you find your direction and achieve your goals.

I look forward to seeing you on one of our campuses soon.

Daniel P. Mosser, Ph.D.

WVNCC President

College Snapshot

- Coeducational, Tri-Campus, Public, Two-Year Comprehensive Community College.
- Established July 1, 1972, by the West Virginia Board of Regents.
- Programs in Liberal Arts and Sciences, Career-Technical, Workforce Development, Developmental Education, and Community and Continuing Education.
- "Open-Door" Admissions Policy for College.

Mission Statement

West Virginia Northern is a comprehensive community college that provides affordable, quality education and training for all who wish to learn. Northern strengthens our community and empowers individuals to pursue fulfilling lives.

Vision Statement

WVNCC will be a trusted and valued community partner in lifelong learning.

We will:

1. **Invest in human capital** - Invest in recruiting, onboarding, training, and employee development, cross-training succession planning, and employee satisfaction.
2. **Invest in technology to increase student success** - Invest in technology in key areas such as access, recruitment and admission, advising, instruction, increasing student digital literacy, and improving student engagement.
3. **Implement an advising model that supports and improves student success** - Implement an advising model that addresses individual student needs, provides clear career pathways, and is adaptable to Early Entrance and nontraditional students.
4. **Expand and improve workforce and economic development in our region and beyond** - Expand and improve workforce education programs to prepare students for a regional and global labor market.
5. **Expand student diversity** - Enroll a more diverse mix of students.

A Pledge to Students

We, the faculty, staff and administrators of West Virginia Northern Community College, reaffirm our commitment to our common mission:

Excellence in Teaching and Learning.

As members of an academic community, we pledge to unite ourselves to support the success of all who wish to learn.

As faculty, we are a community of scholars who place a top priority on teaching, learning and advising.

As staff, we serve the students and the College by facilitating and enhancing the total educational process.

As administrators, we provide leadership for the development of students, faculty and staff; and we accept the responsibility for quality and accountability for the total development of the Upper Ohio Valley.

At Northern, the values of a college education and service take precedence over the values of wealth and status.

Compliance Process Updates

In keeping with the federal legislation, state of West Virginia legislative changes and regulations, including the Higher Education Opportunity Act, Family Educational Rights and Privacy Act, as amended, the Clery Act including the Campus SAVE and VAWA regulations, WVNCC is creating and/or updating processes, policies and procedures to comply with these changes.

For additional details, contact the appropriate area of the College. As the College responds to these changes and mandates, information will be made available on the College's website and through student notifications, etc., as necessary.

Academic Calendar

Fall 2025

Registration Begins (1 p.m.)	(T)	Apr. 8
Full Semester Classes Begin	(M)	Aug. 25
Holiday (Labor Day)	(S-M)	Aug. 30- Sept. 1
Mid-term	(W)	Oct. 8

(Mid-term grades for full-term courses are posted on Northern on the Web)

Last Day to drop/Withdrawal from College	(F)	Nov. 21
Holiday (Thanksgiving) Break	(W-U)	Nov. 26 - Nov. 30
Classes End	(F)	Dec. 12
Grades Due	(M)	Dec. 15 (10 AM)
Winter Break (College Closed)	(M-R)	Dec 22-Jan 1

Spring 2026

Registration Begins (1 p.m.)	(T)	Nov. 11, 2025
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Full Semester Classes Begin	(M)	Jan. 12
Holiday (Martin Luther King, Jr. Day)	(M)	Jan. 19
Mid-term	(W)	Mar. 4

(Mid-term grades for full-term courses are posted on Northern on the Web)

Spring Break	(U-U)	Mar. 15- 22
Last Day to drop/withdrawal from College	(F)	Apr. 17
Classes/Semester End	(F)	May 15
Grades Due (10 a.m)	(M)	May 18
Commencement	(R)	TBD

Summer 2026

Registration Begins (1 p.m.)	(T)	Nov. 11, 2025
Holiday (Memorial Day)	(M)	May 25
Full Semester Classes Begin	(T)	May 19
Holiday (Independence Day Observed)	(F)	July 3
Second Half of Semester Begins	(M)	Jun. 29
Last Day to drop/withdrawal from College	(F)	Jul. 31
Classes End	(F)	Aug. 7

U - Sunday M - Monday T - Tuesday W - Wednesday R - Thursday F - Friday S - Saturday

Accreditations

College Accreditation Agency

Higher Learning Commission

West Virginia Northern Community College is accredited by the Higher Learning Commission (HLC) through 2028-2029.

230 South LaSalle Street Suite 7-500
Chicago, IL 60604-1411
Phone: 800-621-7440
www.hlcommission.org

Specialized Accreditation Agencies

Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
Phone: 404.975.5000
www.acenursing.org

Accreditation Review Council for Surgical Technologists and Surgical Assisting ARC/STSA

19751 East Mainstreet, Suite #339
Parker, CO 80138
Phone: 303-694-9262
www.arcstsa.org

American Culinary Federation

6816 Southpoint Pkwy Ste 400
Jacksonville, FL 32216
Phone: 800-624-9458
www.acfchefs.org

American Health Information Management Association

35 W. Wacker Dr., 16th Floor
Chicago, IL 60601-5519
Phone: 312-233-1100
www.ahima.org

American Medical Technologist (AMT)

10700 West Higgins Rd, Suite 150
Rosemont, IL 60601
847-823-5169
<https://americanmedtech.org/>

American Welding Society

8669 NW 36 Street, # 130
Miami, Florida 33166-6672
800-443-9353
aws.org

Commission on the Accreditation of Allied Health Education Programs (CAAHEP)

9355 - 113th St. N, #7709
Seminole, FL 33775
Phone: (312)235-3255
www.caahep.org

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

200 East Randolph Street
Suite 5100
Chicago, IL 60601-5800

Phone: 312-233-1100
www.cahiim.org

HVAC Excellence

PO Box 521

Mount Prospect, IL 60056-0521

Phone (800) 726-9696 URL: HVAC Excellence

Joint Review Committee on Education in Radiologic Technology

20 North Wacker Drive, Suite 2850

Chicago, Illinois 60606-3182

Phone: 312-704-5300

www.jrcert.org

West Virginia Board of Examiners for Registered Professional Nurses

5001 MacCorkle Ave. SW

South Charleston, WV 25309

Phone 304-744-0900

Fax: 304-744-0600

wvrnboard.wv.gov

The Council for Adult and Experiential Learning (CAEL)

10 W. Market Street

Suite 1100

Indianapolis, IN 46204

(312) 499-2600

www.cael.org

West Virginia Northern Community College, pursuant to the requirements of Titles IV, VI, VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, does not discriminate against applicants, employees, or students on the basis of race, color, religion, sex, disability, age, gender, ancestry, marital or parental status or national origin in its employment policies and/or educational programs or activities, including admissions to such.

Inquiries concerning this rule should be directed to the Director of Human Resources, Robert Brak, who is designated coordinator for Title IX and Section 504. His telephone number is 304-214-8901 and his office is located in Room 119, B&O Building, Wheeling campus. His email address is rbrak@wvnc.edu.

The College

Organization

West Virginia Northern Community College is a public, multi-campus comprehensive community college which serves the six counties of Hancock, Brooke, Ohio, Marshall, Wetzel and Tyler. On May 9, 1972, the West Virginia Board of Regents created a dual-campus community college out of what were formerly the Hancock County Branch and the Wheeling Campus of West Liberty State College (now University.) Responding to local community requests, the College began offering courses in New Martinsville in 1973 and established a campus there in 1975. To satisfy community needs, the College offers courses at a variety of other sites within the six-county service area and participates in a tuition reciprocity agreement serving students in seven neighboring Ohio counties: Belmont, Columbiana, Harrison, Jefferson, Mahoning, Monroe and Trumbull. Metro rates apply to other designated areas in

Ohio and Pennsylvania. As a comprehensive community college, West Virginia Northern offers a wide variety of programs and courses in the liberal arts and sciences, career-technical education, work place training, developmental studies, and community and continuing education. Under an open-door enrollment policy, the College admits all adults desiring postsecondary education. High school students recommended by their schools for early entrance are also admitted. Graduates receive Associate in Arts degrees, Associate in Science degrees, Associate in Applied Science degrees and certificates.

Campus Facilities

West Virginia Northern Community College has campuses located in Weirton, Wheeling and New Martinsville, with the central administrative offices located on the Wheeling Campus.

New Martinsville Campus

The New Martinsville Campus is located at 141 Main Street and is adjacent to the New Martinsville Municipal Building. It houses classrooms, computer labs, faculty and administrative offices, advising and student services, student lounge, Learning Resource Center, Academic Support Center, telecommunications classroom, science lab, and a conference room for business and community meetings.

The Francis Creative Arts Center, a two-story brick structure in close proximity to the main campus facility is home to ArtsLink, the arts council of Wetzel and Tyler counties.

Weirton Campus

The Weirton Campus is located in Weirton Heights at 150 Park Avenue on a wooded 20-acre lot. It houses classrooms, computer labs, faculty offices and administrative offices, advising and student services, student lounge, Learning Resource Center, Academic Support Center, science and nursing labs, and a conference room for business and community meetings.

Wheeling Campus

The Wheeling campus is located at 1704 Market Street at the southern end of the business district. The B&O Building originally was the main passenger terminal of the Baltimore and Ohio Railroad. It contains the administrative offices of the College, advising and student services, Business Office, Learning Resource Center, classrooms, laboratories, faculty offices, and Workforce and Continuing Education offices.

The Education Center, renovated in 2006, was formerly a warehouse. This building, located on Chapline Street across from the B&O building, houses the culinary arts facility, all health sciences laboratories, classrooms, faculty offices, student and faculty/ staff lounges, fitness center, as well as a 5,000 square foot multi-purpose room.

The Applied Technology Center, opened for the start of the fall 2013 semester. The ATC is located at the corner of Market and 16th streets across from the B&O Building. The ATC houses the Advanced Manufacturing and the Refrigeration, Air Conditioning and Heating Technology programs.

The Industrial Technology Center (formerly the WESCO building) opened in 2019. The ITC houses the welding and energy technology programs as well as classrooms and a student lounge.

Library/Learning Resource Centers

Each campus of West Virginia Northern Community College has a separate Library/Academic Resource Center (ARC). A wide variety of resources, both in print (24,000 volumes) and digital, are available for use by students, faculty, and staff. Access to the collection of resources in the ARC is provided through the online catalog "Library Books and More @ Northern." To access the catalog, or many of the other electronic resources and databases, please go to the ARC Web page at: <https://www.wvncc.edu/current-students/librarylearning-resource-center/1159> or find on the College home page at www.wvncc.edu on the right under "More" and then "Library." Students, faculty, and staff can also access library resources within their respective portal. Each campus ARC has a number of desktop computers available to students for research, class assignments, word processing, and Internet searching. The friendly and knowledgeable ARC staff can guide individuals and groups through the successful use of library resources and services.

Technology Within the College

West Virginia Northern Community College believes in acquiring and using technological tools, which help people learn effectively and work more efficiently, improve classroom experience for teachers and learners and lead forward-thinking, innovative trends.

All three campuses are linked multiple ways for use with interactive audio, video, and data. The system allows classes to originate at any location, enabling the instructor to maintain two-way audio and video contact with students. It allows the College to provide more course offerings to all campuses and to better utilize the expertise of its faculty. Conferences, seminars and short-term instructional programs are possible with the telecommunications equipment.

WVNCC offers the students, staff and faculty a wide variety of comprehensive and current learning resources that are easily accessible. Each LRC has computers for student use and numerous student state-of-the-art computer labs that are available on each of the campuses. Brightspace is used for online course development. All classrooms on WVNCC's three regional campuses are equipped with instructional technology. Secure wireless internet service is provided on all campuses. From the web-site, students can access the Student Portal which provides access to N.O.W. (Northern On the Web), school email, and a host of other services that WVNCC offers. N.O.W. gives students access to grades and online registration. Technical support for email accounts is provided by the College's Office of Information Technology.

Email Accounts

The College assigns an email account to all students in credit hour courses upon admission. Instructions on using the account are available at each Campus Student Success Center or through the ACTion Center. The College also assigns adjunct faculty, full time faculty and staff an email account. Students, faculty and staff must use their Northern assigned accounts for all official College transactions. The College will also provide its annual FERPA notice, campus crime statistics notification and other College information through this email account. Technical support for email accounts is provided by the College's Office of Information Technology.

Partnerships

West Virginia Northern is pledged to a partnership strategy for the development of the Northern Panhandle. Partnerships between industry and education to identify needed general and technical skills are the best guarantee of industry's success and of employee security and satisfaction. All the College curricula are designed and evaluated with

the assistance of advisory committees. Partnership with other educational institutions, economic development and other civic and cultural groups is also a constant part of the College's agenda for development.

Major partnerships include the following:

- Secondary schools in our region for articulation of their technical programs for credit towards an A.A.S. Degree.
- Partnerships with Mountaineer Casino, Racetrack and Resort and Wheeling Island Hotel-Casino-Racetrack to offer training for table game dealers.
- Partnership with four-year colleges to effect full transfer of West Virginia Northern courses into baccalaureate degree programs.
- Partnership with Northern Panhandle Workforce Development Board to provide services through the American Job Center.
- Bridges to Communities - liaison with organizations such as area chambers of commerce, ArtsLink, Wheeling National Heritage Area Corporation, Regional Economic Development Partnership, Brooke Hancock Business Development Corporation, West Virginia Northern Community College Foundation, and Friends of the College organizations at the New Martinsville, Weirton and Wheeling campuses.

Admissions and Residency Processes

Admissions Policy and Procedures

West Virginia Northern Community College is an open door college admitting students to the College regardless of academic background. The College admits students as degree seeking or non-degree seeking, early access high school students or those enrolling in career development or community education. Some programs are limited enrollment with specific entrance requirements, including Allied Health. The College admissions policy follows the basic guidelines of the WV Community and Technical College System.

Applications and information may be obtained from any Campus Service Center, through local high school counselor offices, or online at the College's website. There are separate applications for general admission, career development, community education and early access/home-schooled students. General admission student applications may be submitted online or at any Campus Service Center.

All general admission students must select a Program of Study at the time of application for admission. A separate application for admission into a Health Sciences program is required in addition to the general application. Students cannot double major; the College has no minors. The College is required to maintain a list of states where Northern is authorized to offer a state's residents distance education. A current list of states is available on the College's website, on the Online Programs/Courses page. Northern is not permitted to enroll students in courses in states where it does not have current authorization for distance education.

In addition to the admissions application the following is required at the College:

- A U.S. high school transcript or high school equivalency scores from a state agency approved test program. Final, official transcripts must be sent with graduation date from the high school. Note: Applicants who graduated from high school or passed their state approved high school equivalency more than five years prior to admission and/or have earned 30 or more semester hours of credit at a regionally accredited institution do not have to submit a high school transcript/equivalency scores for admission (but may need to for financial aid or selective admission programs).
- Transfer students must provide an official transcript from each regionally accredited institution the student attended. Transcripts cannot be older than 120 days (transcripts from other colleges may be needed for financial aid purposes).

- Early access students must submit permission of high school officials and parents through a special early access admission application.
- Foreign national students are admitted as full-time students only. They must demonstrate a satisfactory command of the English language, provide evidence of sufficient support funds, and meet standard expectations of the U.S. Immigration Office to obtain a visa through WVNCC.
- Returning students who have not enrolled in WVNCC courses for more than one year must submit a new application for admission that will update their major to the current catalog.
- Transfer students who have been dismissed from other colleges for disciplinary reasons are required to undergo review to determine if they will be admitted and must report this on their admission application.
- Home-schooled students may be required to submit written verification of subject mastery.

Student placement skills information is recommended for all admitted general admission and early access students in order to determine academic preparation for course placement and program entry. This assessment should be completed prior to enrollment and entry into specific courses and programs. Placement skills information may include the following:

- Official college transcripts from an AACRAO accredited institution showing completion of an approved college level mathematics and/or English course.
- ACT or SAT scores.
- High school grades, GPA, or equivalency (HSE) test scores

Allied Health Selection and Admission

The Allied Health programs have limited enrollment and a selective review process.

Applicants must meet all general admission criteria for the College; Allied Health, or Nursing application (including an application fee); provide official copies of their high school transcript, prior college transcripts, and any requirements specific to admission for the student's intended program. See the applicable application and individual program webpage for any additional items needed. Early application is highly recommended. For more information contact the Nursing and Allied Health Division Chair or refer to the College's website under Programs of Study then Health care Professions.

Classification of Residents and Non-Residents for Admission and Fee Purposes

West Virginia Northern adheres to Council for Community and Technical College Education and Higher Education Policy Commission policy for determining residency for tuition and fee purposes. Generally, a student who did not reside in WV (or a reciprocity or Metro county) for 12 consecutive months prior to the start of classes is considered an out of state student. The Records Office is responsible for administering this policy, which is cited below. The decision of the Registrar may be appealed in accordance with the Student Appeals Committee for Non-Academic Matters. The policy states:

1. **Classification for Admission and Fee Purposes.** Students enrolling in a West Virginia public institution of higher education shall be assigned a residency status for admission, tuition and fee purposes. In determining residency classification, the issue is essentially one of domicile. In general, the domicile of a person is that person's true, fixed, permanent home and place of habitation. The decision will be made by the Records Office, and shall be based upon information furnished by the student and all other relevant information. Appeal of the decision is to be made to the Registrar Office. The Records Office is authorized to require such written documents, affidavits, verifications or other evidence as is deemed necessary to establish the domicile of a student. The burden of establishing domicile for admission, tuition and fee purposes is upon the student.

If there is a question as to domicile, the matter must be brought to the attention of the Records Office at least two weeks prior to the deadline for the payment of tuition and fees. Students found to have made a false or misleading statement concerning domicile shall be subject to institutional disciplinary action and will be charged the nonresident tuition and fees for each academic term theretofore attended.

The previous determination of a student's domiciliary status by one institution is not conclusive or binding when subsequently considered by another institution; however, assuming no change of facts, the prior judgment should be given strong consideration in the interest of consistency. Out-of-state students being assessed resident tuition and fees as a result of a reciprocity agreement may not transfer said reciprocity status to another public institution in West Virginia.

2. **Residence Determined by Domicile.** Domicile within West Virginia means adoption of West Virginia as the fixed permanent home and involves personal presence within West Virginia with no intent on the part of the applicant or, in the case of a dependent student, the applicant's parent(s) to return to another state or country. Residing with relatives (other than parent(s)/legal guardian) does not, in and of itself, cause the student to attain domicile in West Virginia for admission or fee payment purposes.

West Virginia domicile may be established upon the completion of at least 12 months of continued presence within West Virginia prior to the date of registration, provided that such 12 months' presence is not primarily for the purpose of attendance at any institution of higher education in West Virginia. Establishment of West Virginia domicile with less than 12 months' presence prior to the date of registration must be supported by evidence of positive and unequivocal action.

In determining domicile, institutional officials give consideration to such factors as the ownership or lease of a permanently occupied home in West Virginia, full-time employment within West Virginia, payment of West Virginia property tax, filing of West Virginia income tax returns, registration of motor vehicles in West Virginia, possession of a valid West Virginia driver's license and/or marriage to a person already domiciled in West Virginia. Proof of a number of these actions shall be considered only as evidence that may be used in determining whether or not a domicile has been established.

Factors mitigating against the establishment of West Virginia domicile might include such considerations as the student not being self-supporting, being claimed as a dependent on federal tax forms or the parents' health insurance policy if the parents reside out of state, receiving financial assistance from state student aid programs in other states and leaving West Virginia when school is not in session.

3. **Dependency Status.** Dependent students are those who are listed as dependents on the federal or state income tax return of their parent(s) or legal guardian or who receive major financial support from that person. Such a student maintains the same domicile as that of the parent(s) or legal guardian. In the event the parents are divorced or legally separated, dependent students take the domicile of the parent with whom they live or to whom they have been assigned by court order.

However, a dependent student who enrolls and is properly classified as an in-state student maintains that classification as long as the enrollment is continuous and that student does not attain independence and establish domicile in another state.

A nonresident student who becomes independent while a student at an institution of higher education in West Virginia does not, by reason of such independence alone, attain domicile in West Virginia for admission or fee payment purposes.

4. **Change of Residence.** Individuals who have been classified as out-of-state students and who seek resident status in West Virginia must assume the burden of providing conclusive evidence that a domicile has been established in West Virginia with the intention of making this state the permanent home. The intent to remain indefinitely in West Virginia is evidenced not only by a person's statements, but also by that person's actions referenced in Sect. 2. The change in classification, if deemed to be warranted, shall be effective for the academic term or semester next following the date of the application for reclassification. It is the student's responsibility to notify the Financial Aid Office.

5. **Military.** An individual who is on full-time active military service in another state or a foreign country or an employee of the federal government shall be classified as an in-state student for the purpose of payment of tuition and fees provided that the person established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and has at no time while in federal service claimed or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes. Students who are eligible for Chapter 35 benefits and live in the state of the institution shall be considered in-state,

Persons assigned to full-time active military service in West Virginia and residing in the state shall be classified as in-state students for tuition and fee purposes. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

Any student living in West Virginia and receiving education or vocational rehabilitation benefits from the U.S. Department of Veterans Affairs shall be charged in-state tuition and fees to attend a West Virginia public institution of higher education so long as such student is considered a "covered individual" as described in 38 U.S.C. § 3679, as in effect at any time.

6. **Aliens.** Students who meet the domiciliary requirements noted in Sections 3, 4, and 5 of this policy, and who are U.S. Permanent Resident Aliens, Political Asylums or Political Refugees, or who hold an A, E, G, H, I, L, O, P, R, TD, TN, U, or V visa, may apply to be reviewed for in-state residency for tuition purposes.

Students who hold B, C, D, F, J, K, M, or Q visas are not eligible for establishing in-state residency for tuition purposes.

Students who meet the domiciliary requirements and who are the beneficiary of a pending I-485 application to adjust status to permanent resident may apply to be reviewed for in-state residency for tuition purposes.

7. **Former Domicile.** Individuals who were formerly domiciled in the State of West Virginia and who would have been eligible for an in-state residency classification at the time of departure from West Virginia may be immediately eligible for classification as West Virginia residents provided they return to West Virginia within a one-year period of time and satisfy the conditions of Sect. 2 regarding proof of domicile and intent to remain permanently in West Virginia.

Residency Appeal Process

The decision of the Registrar may be appealed in accordance with the Student Appeals Procedure for Non-Academic Matters. The appeal shall end at the institutional level.

Multiple Measures Placement

Multiple Measures Placement

WV Northern follows a policy of Multiple Measures Placement to place newly-admitted students in appropriate mathematics and English coursework. This policy was approved by the West Virginia Higher Education Policy Commission in October 2022. It is consistent with the Community College Research Center's findings that multiple measures assessment "generally has positive impact estimates on enrollment in and completion of gatekeeper courses in English and math." Initial implementation will begin with Fall 2023 registration.

Degree and certificate-seeking students are placed into English and Math courses using the following methods:

High School grade and GPA: Placement Score Table

ACT and SAT scores: Placement Score Table

High School Equivalency (HSE) tests: Placement Score Table

Placement exam administered by WVNCC: Placement Testing

Guided Self Placement

Students will work with an advisor to determine the most appropriate placement.

Catalog Home

Degree Planner	Add to Portfolio	Social Media	Print-Friendly Format	Help
Print-friendly version of degree requirements in a checklist format.	Create a personal portfolio with the My Portfolio link	Share catalog information on Facebook or Twitter.	Generate a pop-up page formatted to print neatly.	More information on how to use the catalog.

Academic Advising/Registration

Academic Advising Center

Students are assigned to a team of faculty and staff advisors upon admission. Students work with advisors to understand their placement options, create an educational plan, select courses, confirm financial aid and tuition documentation, and interpret College policies.

Based on program of study, each degree-seeking student is assigned a faculty/academic advising team during their first semester. Academic Advisors help students assess their academic, career, and life goals. Academic advisor assignments are coordinated through the Admissions and Registrar's offices.

First Year Seminar

WVNCC requires students admitted to Northern as first-time freshmen to enroll in a 1-credit hour First Year Seminar (FYS): Success Strategies course (ORNT 090). All full-time and part-time degree-seeking students should complete the FYS graduation requirement during the first semester, including those who:

- Have never attended WVNCC or another accredited college (courses taken during high school do not apply).
- Are transferring from unaccredited institutions.

This requirement does not apply to:

- Students admitted to Northern prior to fall 2013.
- Early Access (high school) students while in high school. (Unless degree seeking)
- Students transferring from regionally accredited institutions.
- Non-degree seeking students.

New Student Welcome Event

All new WV Northern students are recommended to participate in New Student Welcome Day. During this event, students will receive information related to:

- College resources.
- Registration processes.
- Student Portal.
- Student Email.
- Northern on the Web (N.O.W.).
- Program and graduation requirements.
- Financial aid and Veterans Benefits.
- Payment of Tuition & Fees.
- Campus Safety and Security.
- Parking and many other important topics.

This event takes place prior to the start of classes and is scheduled at each campus. Students should have registered for their semester classes prior to this event.

The Academic Schedule

The academic schedule for each semester and summer term is designed to assure academic program implementation plans and to meet identified interests and needs of students in multiple locations.

The schedule for spring classes is published the previous October; the fall class schedule is published in April. The summer schedule is typically published during the previous fall. The spring, summer and fall schedules are available online at www.wvncc.edu.

The College is developing increasingly flexible and alternate methods of instruction as well as utilizing electronic methods to supplement traditional information, communication, and materials.

Courses are typically scheduled over two semesters of 15 weeks; however, some courses may be offered in five weeks, eight weeks, 10 weeks, or other time periods. Summer school classes are offered in a 12-week term. Classes offered during the 12-week Summer term have varying lengths and start at a variety of times.

Distance Education

The College is developing increasingly flexible and alternate methods of instruction as well as utilizing electronic methods to supplement course delivery, communication, and materials.

Online delivery is used for many courses at WVNCC. Class activities and requirements vary and meet the same outcomes and standards as traditionally offered courses. Interested students should seek information in advance of registration through the academic schedule, contacting the ACTion Center, or by contacting the instructor. Information on distance education courses, including modalities for course delivery, can be at www.wvncc.edu/programs/online-courses-distance-education/153. WVNCC distance education courses are delivered through the College's learning management system.

IP Video and classes noted on academic schedules are those that use either the College's closed video telecommunications system or teleconferencing software, therefore increasing the offering of courses for students participating from two or three campuses with the instructor located at any campus. Students can see and talk with each other and the instructor during the classes. Instructors and students also use the College's integrated telephone system, teleconferencing software, and e-mail to supplement communications.

Other alternate methods for course participation are sometimes, but not always, possible to assist students. Such methods may include but are not limited to audio recording, video recording, or limited independent study. In special circumstances, especially when students have previously completed some aspects of the course in other means, individual Course Learning Contracts may be arranged. Alternate methods must be arranged directly with the instructor of the course. If an instructor has not been assigned yet to the course, students should consult the campus Service Center.

Alternate Methods for Achieving College Credit

Credit by Examination

Students who have developed a proficiency in specific subjects and have met the prerequisites may elect to earn credit for a course by taking a "Challenge Exam." Not all classes may be challenged. To take the exam, students must first register for the class and pay the required tuition. After passing the examination, students will be exempt from specific course requirements and permitted to register in advanced courses in that subject field. A "K#" grade will be given but will not be computed in the grade point average. However, the credit hours will be counted toward graduation requirements and for designation on Merit, Dean's and President's lists.

Interested students should contact the appropriate faculty member. Payment for test out classes cannot be made with financial aid or Veterans' funds.

Advanced Placement Credits

In accordance with the West Virginia Council for Community and Technical College Education and the Higher Education Policy Commission, West Virginia Northern Community College recognizes the Advanced Placement Program of the College Entrance Examination Board as an instrument that allows high school students to master college-level subject matter and to document their intellectual achievements through successful completion of advanced placement examinations. West Virginia Northern Community College will accept Advanced Placement Credit if the high school student earns a minimum score of three on the specified test.

After applying for admission to West Virginia Northern, students should have the College Board Advanced Placement Examination Grade Report mailed directly to the Records Office at West Virginia Northern.

Examination results will be validated by the Records Office. The Records Office will identify the amount of advanced placement credit that will be granted toward the degree requirements. Advanced placement credit will be documented on the transcript.

Advanced placement credit will receive a "K" grade on the West Virginia Northern transcript.

College Level Examination Programs and Proficiency Examination Program

West Virginia Northern Community College will award credit for the College Level Examination Program (CLEP) and the Proficiency Examination Program (PEP) within the following guidelines. All credit awarded will be in conformity with the West Virginia Council for Community and Technical College Education and Higher Education Policy Commission and all such credit will be transferable to all other institutions in the West Virginia state system of higher education.

General Exams – Students who attain the score required by the model policy of the Council on College Level Examinations of the College Board may receive credit for General Examinations. Such credit in general education may not meet specific program requirements, in which case the credit may be used as elective credit.

Subject Examinations – Students may be awarded credit for the successful completion of any or all CLEP and PEP Subject Examinations presently offered or developed in the future, provided they achieve a score equal to or above the recommended scores of the Commission on Educational Credit and Credentials of the American Council on Education for CLEP examinations or the University of New York and American College Testing Program current at the time the examination is taken.

Credit will be awarded for the number of semesters for which the examinations were designed. Grades will not be assigned, and the credit will not be included in the computation of student's grade point average. The credit earned on CLEP and PEP Subject Examinations will be equated with existing course offerings at West Virginia Northern. If no equivalent course is offered at West Virginia Northern, the credit earned by CLEP and PEP examinations may be considered elective credit. Students will not receive CLEP and PEP credit for equivalent courses in which they have already earned credit.

Academic Record and Enrollment – The permanent academic record of students will indicate which credit was earned by CLEP or PEP examinations. Students must be enrolled at West Virginia Northern in order to receive credit from West Virginia Northern. Students who have taken CLEP or PEP examinations prior to enrollment must submit an official CLEP or PEP transcript. Questions should be directed to the Records Officer.

Students should take the appropriate CLEP exam(s) through the College Entrance Examination Board, Educational Testing Service, Princeton, New Jersey 08504.

The PEP exam(s) may be taken through the ACT Proficiency Examination Program, Iowa City, Iowa 52240.

Grade reports must be mailed directly to the Records Office at West Virginia Northern Community College. The examination results will be validated by the Records Officer and students notified of the credit earned.

Credit for Prior Learning Through Portfolio Assessment

The College will award academic credit for learning acquired through work or life experiences that are equivalent to coursework that meets degree requirements for the program in which the student is enrolled. Students may only petition for credit for courses listed in the current College catalog. Credit will be awarded for learning that is comparable to the stated course outcomes and scope of the course. Credit is awarded on a "K" basis and will be annotated on the transcript as experiential credit. A maximum of 30 credit hours may be awarded through the portfolio process in all programs except the Board of Governors program. Contact the Campus Service Center for PLA (Prior Learning Assessment) form or for further information.

Registration Policy and Procedures

Registration for classes including changes and withdrawal of enrollment in specific courses must be initiated by the student through completion of the registration process. Documentation of prerequisites for entry into specific courses is required prior to registration also.

The College provides extensive dates and times for registration. New students can register after corresponding with a faculty or staff advisor. Returning students may register by logging onto Northern on the Web (NOW) after corresponding with an academic advisor. Information on a students' academic advising team is listed on their student portal.

Registration is the admission "ticket" into classes. Registration must be completed prior to entry into the class. In some unusual instances, an instructor may permit a student to participate in one class session during the first week of classes prior to completion of registration. After the first week, participation by a non-registered student requires written authorization from the Vice President for Learning/Chief Academic Officer for a specified temporary period.

Before attending any class, a student must officially register and satisfy all financial obligations to the College. The College reserves the right to deny admission to class to any student who has not registered or remitted full payment of tuition and fees. The College provides the opportunity for students to complete "early" registration prior to the beginning of classes. Students need to make financial arrangements by the established payment deadlines. Refer to Tuition and Financial Aid section of this catalog and the academic schedule.

Registration for audit of courses, that is, taking credit courses without evaluation and credit, must be specifically requested at the time of registration. Students must also inform the instructor of their registration for audit purposes only. Students are not permitted to change their registration from "audit" to "credit" or "credit" to "audit" after the first two weeks of the semester or a comparable period in short-term classes. This change is completed by submitting Audit Course Request form to the Campus Service Center. Audited courses do not count toward graduation and cannot be paid with Title IV financial aid funds.

Adding classes during the first week of a class is possible and does not require the instructor's approval providing that the class is not at capacity. Students register through their NOW accounts.

Late Registration occurs during the first week of classes. After the first week of classes registration can only occur with approval of the faculty member and Vice President of Learning.

Changes in registration are completed by students online in NOW. Adding and dropping a class is completed online through NOW by the student. Students are responsible to immediately verify that written documentation accurately reflects the change intended. Students should consult the academic calendar concerning deadline to "drop" courses and read the regulations regarding grades and refunds as well as financial aid, if applicable. Students are strongly encouraged to talk with instructors and/or their academic advisor prior to making such changes. Often, alternatives or supplementary assistance may be available which makes course completion possible. In addition, students need to identify the impact of dropping specific courses. If the impact of a "drop" is complete withdrawal from all courses, then the student should follow instructions for "withdrawal from all courses". The College publishes a last day to drop and withdraw each semester.

The maximum number of credits for which students may register is 18 credit hours per semester and 12 credit hours in summer term. Exceptions may be granted by the Vice President for Learning/Chief Academic Officer upon the recommendation of the student's academic advisor and evidence of the requesting student's ability to manage an exceptionally heavy course load. This evidence is normally the completion of previous college courses as a full-time student and a grade point average higher than 3.25.

Delays, limits, and "holds" which impact registration result **under certain conditions, such as:**

- The maximum number of students have already registered for the course;
- The admission application has not been submitted;
- Required admissions materials have not been submitted by the end of the first term of enrollment;
- Documentation of preparation for entry in specific courses is required but not completed;
- Default in payment of educational loans, repayment owed on Title IV aid, or other payments owed to the College;
- Prerequisite education coursework not successfully completed;
- The student not meeting certain conditions resulting from lack of standards of progress; and/or
- Disciplinary action. See Student Rights and Responsibilities.

"Wait lists" result when a class is filled to capacity. If space becomes available prior to the first class session, the student will be notified through their WVNCC email account and given the chance to register themselves through their NOW account. **Waitlists for classes** is available until the Friday prior to the start of the class. Students registering after this time must choose from open sections.

Withdrawal from all courses, when necessary, is completed through Northern on the Web. Telephone withdrawals can be taken by the Staff Academic Advisors or Registrar only. Students are encouraged to talk with their instructors and academic advisor prior to withdrawing to determine if there are other alternatives available. Students are responsible for verifying their withdrawal. The last day to totally withdraw from the College is published in the academic calendar. Students who completed short-term courses or tested out of a course in the same semester are not eligible for a total withdrawal.

Administrative withdrawal of a student from individual courses may be implemented by the instructor when, in the opinion of the instructor, a student fails to attend class regularly and/or fails to complete educational assignments. Disciplinary action can also result in administrative withdrawal by an instructor. See Student Rights and Responsibilities.

Administrative drop: For students with outstanding financial obligations, the College may "administratively drop" the student from classes for nonpayment. The College also reserves the right to administratively drop a student from a course for failure to meet prerequisites, failure to adhere to institutional, financial aid satisfactory academic progress or for disciplinary reasons (including Student Code of Conduct violations).

Last day to drop/withdraw from a class or the college is listed in the Academic Calendar.

Enrollment Status and Course Load

Students are enrolled once they have completed the registration process that includes satisfying all financial obligations to the College. (This is not for financial aid purposes, see financial aid section).

Full-time students are those who are currently registered for a minimum of 12 credit hours during a full semester or for a minimum of 6 credit hours for summer term. Courses below 100 level (for example ORNT 090) with course credit is counted for this determination but not for graduation, degree requirements or certain honors. The number of credit hours of specified courses required per semester to complete a certificate program in two semesters or an associate degree in four semesters is typically 15 credit hours, excluding courses below 100 level (for example ENG 097) and orientation courses.

Part-time students are those who are currently registered for less than 12 credit hours during a full semester or for less than 6 credit hours during the summer term. Part-time students will need to plan carefully their sequence of courses to assure completion of a degree or certificate.

First-time students are those who have not taken any college courses since they graduated from high school or a student who only took credits while in high school.

Student status is classified as follows:

Freshmen students are those who have completed up to 30 credit hours.

Sophomore students are those who have completed 30 or more credit hours in their program.

General Education

Because of its commitment to the total development of the individual, West Virginia Northern Community College requires all students enrolled in academic programs to complete a general education core curriculum. The aim of the general education component is to teach students to communicate effectively, think clearly and reasonably, make ethical judgments, develop personal values, apply knowledge constructively, and make learning a lifelong commitment. The College is committed to developing resilient, lifelong learners able to function in a complex, technologically sophisticated world.

The goals of General Education are to:

- Communicate effectively in oral and written formats.
- Employ or utilize information access and literacy skills.
- Demonstrate problem-solving and critical thinking skills.
- Employ mathematical and science literacy skills.
- Acquire a cultural, artistic and global perspective.
- Demonstrate professional and human relations skills.

Core Coursework Transfer Agreement

In accordance with the West Virginia Higher Education Policy Commission and West Virginia Council for Community and Technical Colleges Core Coursework Transfer Agreement, identified undergraduate core courses completed are transferable as general studies or course equivalent credit to all other state institutions of higher education in West Virginia for credit with the grade earned (courses are notated with an asterisks). Up to 72 hours of other courses may be accepted as transfer in specific degree programs. Academic advisors and counselors can assist with questions regarding transfer to specific colleges.

Transfer in Students

Students transferring to WVNCC are admitted through the regular admissions process and must provide academic transcripts and related documents as noted in the Admissions/Registration section of this catalog. Transfer students will be assigned an academic advisor and need to meet with the advisor to register for class. A transfer credit evaluation is done at the time the academic transcript is received; students should meet with their academic advisor to determine how those credits apply toward graduation. Transfer students must work with their academic advisor if a course petition is needed.

Transfer Out Students

West Virginia Northern students who complete an associate degree have many opportunities to continue on to complete a bachelor degree. WVNCC currently has articulation agreements with many colleges and universities. Since agreements are revised annually, students should meet with their Advisor concerning their program of study. Students interested in attending a West Virginia public four-year institution should also refer to the Core Coursework Transfer Agreement (above) for courses that the baccalaureate institution will accept. A transfer fair is held each spring.

Students who take classes at West Virginia Northern are advised to discuss their courses with the college to which they are transferring. The decision of transfer credit, minimum grade required and credit hour articulation are determined by the receiving college.

General Education Core Requirements

- Associate in Arts
- Associate in Science
- Associate in Applied Science
- Certificate of Applied Science

Academic Programs A-Z

Accounting/Business Studies, A.A.S.

Major Code: 120

This option is designed to meet the needs of modern business and industry for accounting professionals. The curriculum will help students develop habits of critical, logical thinking while they learn to record, report and interpret data using basic accounting as well as electronic procedures. Computerized software and accounting applications will be emphasized.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Implement the full accounting cycle for various types of organizations
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

Graduates of this program can expect to obtain employment in positions such as accounts receivable, accounts payable, accounting clerk, payroll clerk, billing manager, and customer service representatives.

Graduates can expect to be employed in medical and banking facilities, industrial and manufacturing plants, communication businesses, and various small businesses.

CIP Code: 520101

First Year

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 100 - Introduction to Business **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- BA 265 - Business Communications **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- ACC 205 - Cost & Managerial Accounting **3 Credit(s)**
- ACC 224 - Intermediate Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- MGT 250 - Principles of Management **3 Credit(s)**
or
- MGT 253 - Small Business Management **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 222 - Computerized Accounting **3 Credit(s)**
- ACC 225 - Intermediate Accounting II **3 Credit(s)**
- ACC 240 - Business Taxation **3 Credit(s)**

- ACC 250 - Accounting Capstone **3 Credit(s)**
- BA 241 - Business Law II **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Air Conditioning, C.A.S.

Major Code: 220

This is a program designed to provide the technical knowledge and skills required of persons employed in the air conditioning industry. Students completing the program will be able to find employment in the areas of residential and commercial air conditioning, installation, maintenance and service.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

1. Demonstrate scientific and engineering principles to cooling processes.
2. Create an estimate for a customer for a residential installation.
3. Plan and design piping projects.
4. Design a proper duct system.
5. Install comfort cooling equipment.

CIP CODE: 15.0501

Fall Semester (15 credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- ENG 115 - Technical Writing **3 Credit(s)**
- RAH 100 - Basic Refrigeration I **3 Credit(s)**
- RAH 102 - Refrigeration Controls **3 Credit(s)**
- RAH 110 - HVACR Piping Skills **3 Credit(s)**

Spring Semester (15 credits)

- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- MATH 101 - Intermediate Algebra **3 Credit(s)**
- or
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

- RAH 209 - Forced Air Systems/Duct Layout **3 Credit(s)**
- RAH 235 - Comfort Cooling **3 Credit(s)**

Total: 30 credits

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Applied Technology, A.A.S.

Major Code: 450

This program meets the needs of students currently in the workforce who would like to upgrade their skills and earn a degree. Students can select courses in a pathway aligned to industry careers or employers' needs. This degree would give students the flexibility to build their degree pathway to meet their career needs. The flexibility of the program would allow individuals to use previous coursework, possible PLA credit and courses offered at convenient times to minimize the roadblocks to achieving a technical degree. Employment pathways include industrial jobs that require technical aptitude including maintenance, manufacturing, troubleshooting and operations related positions.

Upon completion of the program, graduates will be able to:

- Effectively use both written and verbal communication skills in the workplace.
- Demonstrate knowledge of interpersonal skills and their application in the workplace.
- Apply principles of mathematics and science to contemporary issues in society and in the workplace.
- Utilize technical skills required in the specific occupational area.

The Technical Studies program generally has four components:

- General education core.
- Technical core.
- Technical specialty.
- And in addition, some programs have an on-the-job training component.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

CIP Code: 15.0699

A.A.S. General Education Requirements...15 Credits

Click [here](#) for a list of courses that will fulfill this requirement.

(must include one communication skills course and one computational skills course)

Technical Studies Requirements...6 Credits

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**

- APT 110 - Introduction to Print Reading **3 Credit(s)**

Technical Specialty Electives...Minimum 27 Credits

May choose any courses from APT, MEC, PTRM, RAH, WELD

Electives...12 Credits

Can include classes from any discipline including additional technical electives.

Total Credits 60

Associate in Arts Degree, English/Humanities Concentration

Major Code: 343

This program is designed for those who expect to transfer to a college or university to study in English, literature and/or humanities. The curriculum gives students a broad background in liberal arts with an emphasis on English, literature, humanities, and social sciences.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of important literary works and writers and their relationship to historical and sociological events.
- Demonstrate a knowledge of philosophies and the expression of ideas and values through the arts.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access in literacy skills.
 - Demonstrate problem-solving and critical thinking skills.
 - Employ mathematical and science reasoning skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

Graduates of this program would plan to transfer to a four-year college or university to complete a bachelor's degree in English, literature, secondary education, English education, or another liberal arts discipline, and may go on to earn an advanced degree.

CIP Code: 240101

First Year

Fall Semester (15/17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** **
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16/17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirement **1 Credit(s) #**
- MUS 105 - Music Appreciation **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Total Credits (60-63)

* Choose from: ENG 200, ENG 201, ENG 208, ENG 210, ENG 211, ENG 225, ENG 226.

** Choose from: HIST 100, HIST 101, HIST 110 and HIST 111.

#HPE requirements can be fulfilled with HPE 100, HPE 101 or HPE 105.

Concentration and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours – it is recommended that students in this program choose their six hours of HUM core requirements from ART, ENG, MUS, or PHIL.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Arts Degree, General Concentration

Major Code: 100

This program is designed for those who expect to transfer to a college or university to study in a variety of liberal arts programs, including art, communication, education, English, journalism, library science, philosophy, pre-law, political science, or the social sciences. The curriculum gives students a broad background in liberal arts with an emphasis in the Liberal Arts disciplines.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of theories, concepts, and principles relevant to the liberal arts.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access and literacy skills.
 - Demonstrate problem-solving and critical thinking skills.
 - Employ mathematical and science reasoning skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

Graduates of this program would plan to transfer to a four-year college or university to complete a bachelor's degree in a variety of liberal arts disciplines, and may go on to earn an advanced degree.

CIP Code: 240101

First Year

Fall Semester (15-17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)**
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

- Elective **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirement **1 Credit(s)** #
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s)** *

Spring Semester (15 Credits)

- HUM - Humanities Core Requirement **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s)** *
- Elective **3 Credit(s)**

Total Credits (60-63)

*Choose from: Any ART, ENG, ECON, HIST, MUS, SOC, SS, PSYC, or PHIL (3 hours from 3 separate disciplines to equal 9 hours).

**Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

#HPE requirements can be fulfilled with HPE 100, HPE 101 or HPE 105.

Concentration electives and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Arts Degree, History/Social Science Concentration

Major Code: 342

This program is designed for those who expect to transfer to a college or university to study in history, sociology, political science, economics or other social science disciplines. The curriculum gives students a broad background in liberal arts with an emphasis on history, humanities, and social sciences.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of theories, concepts and principles relevant to the social sciences.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access and literacy skills.
 - Demonstrate problem-solving and critical thinking skills.
 - Employ mathematical and science reasoning skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

Graduates of this program may transfer to a four-year college or university to complete a bachelor's degree in history, social science, sociology, political science, economics or another social sciences discipline.

CIP Code: 240101

First Year

Fall Semester (15-17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** **
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s)** *
- Elective **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirements **1 Credit(s)** #
- HUM - Humanities Core Requirement **3 Credit(s)**

- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Spring Semester (15 Credits)

- HUM - Humanities Core Requirement **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Total Credits (60-63)

* Choose from: ECON 104, ECON 105, ECON 120, GEOG 205, HIST 100, HIST 101, HIST 110, HIST 111, HS 147, PSYC 208, SOC 255, SOC 276 .

**Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

#HPE requirements can be fulfilled with any HPE 100, HPE 101 or HPE 105.

Concentration electives and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to see if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Arts Degree, Psychology Concentration

Major Code: 119

This program is designed for those who expect to transfer to a college or university to study psychology. The curriculum gives students a broad background in liberal arts with an emphasis on psychology, social sciences, and humanities.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of basic concepts, theories, and principles used in the field of psychology.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.

- Employ or utilize information access and literacy skills.
- Demonstrate problem-solving and critical thinking skills.
- Employ mathematical and science reasoning skills.
- Acquire a cultural, artistic, and global perspective.
- Demonstrate professional and human relations skills.

Graduates of this program would plan to transfer to a four-year college or university to complete a bachelor's degree in psychology, and may go on to earn an advanced degree. At the bachelor's level, they may expect to become case managers or service providers in public or private agencies which provide psychological and social services. With an advanced degree, they may expect to become licensed clinical or counseling psychologists working in public or private agencies which provide psychological services.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (15-17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** **
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s)** *
- Elective **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirements **1 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**

- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Spring Semester (15 Credits)

- HUM - Humanities Core Requirement **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Total Credits (60-63)

*Choose from: HS 147, HS 150, HS 210, PSYC 155, PSYC 200, PSYC 208, PSYC 210, PSYC 218, SS 207.

** Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

#HPE requirements can be fulfilled with any HPE 100, HPE 101 or HPE 105.

Concentration and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Science Degree

Major Code: 102

This program is designed for students who expect to complete a degree at a four- year institution in such areas as biology, engineering, mathematics or the physical sciences. Students should consult with their advisor regarding requirements of WVNCC and the institution to which they plan to transfer.

In addition, graduates will be able to:

- Apply basic principles of biological and physical sciences and mathematics.
- Apply the scientific method in designing, conducting and analyzing experiments.
- Communicate effectively and work collaboratively.
- Use mathematical and scientific principles in problem solving.
- Relate issues from a global perspective.
- Conduct basic research using the Internet and print resources.

CIP Code: 240199

First Year

Fall Semester (14 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- MATH - Mathematics Core Requirement **4 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Elective **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- HIST - History Core Requirement **3 Credit(s) ***
- HUM - Humanities Core Requirement **3 Credit(s)**
- MATH - Mathematics Electives **9 Credit(s)**
or
- SCI - Science Electives **9 Credit(s)**

Spring Semester (15 Credits)

- MATH - Mathematics Core Requirements **6 Credit(s)**
or
- SCI - Science Core Requirements **6 Credit(s)**
- Elective **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**

Total Credits (60)

Students must see their academic advisor to plan courses for a concentration in Science or Mathematics.

*Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

Refer to General Education Core Requirements for the Associate in Science Program listed below.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Science General Education Requirements

Associate in Science Degree, Biology Concentration

****THIS PROGRAM IS UNDER CONSTRUCTION. CHECK BACK FOR UPDATES!****

Major Code: 274

This program is designed for those who expect to transfer to a college or university to study in biology. The curriculum gives students a broad background in liberal arts with a concentration in biology and physical sciences.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

1. Apply the scientific method in designing, conducting and analyzing experiments.
2. Interpret and apply information from credible scientific sources.
3. Explain basic principles of biology, including the core concepts of structure and function, genetics, reproduction, and evolution.
4. Integrate and apply knowledge across scientific disciplines.
5. Demonstrate basic lab skills in biology and the physical sciences.

Training in biology provides a foundation a wide range of fields including:

- Health Sciences
- Dentistry
- Veterinary medicine
- Ecology
- Organismal biology
- Environmental science
- Education

CIP Code: 240199

First Year

Second Year

Total Credits (60-62)

Refer to General Education Core Requirements for the Associate in Science Program listed below.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Science General Education Core Requirements

Board of Governors, A.A.S.

Major Code: 445

The Board of Governors Associate in Applied Science degree program is a nontraditional, degree completion opportunity at the associate degree level specifically devised for adult learners to meet occupational goals or employment requirements, establish professional credentials, or achieve personal goals. This degree program provides the opportunity for adult learners to utilize credit for prior learning experiences via licenses, certificates, military credit, and other non-collegiate sources while assuring maximum credit transferability.

By completing this degree program, adult students can establish deserved credentials, achieve a personal sense of accomplishment, and position themselves for advancement into a baccalaureate program. The Board of Governors Associate in Applied Science degree increases educational access and degree opportunities for adults who have deferred or interrupted their educational plans. Such a program provides the base of the educational ladder for adults to accomplish the first level of educational advancement as well as develop the self-confidence and incentive to move toward the completion of a baccalaureate degree. The degree program is designed to articulate with the WV Board of Regents Bachelor of Arts Degree.

Curriculum-The Board of Governors A.A.S. requires 60 credit hours that include 15 credit hours of general education in the following areas: 3 credit hours of Communication, 6 credit hours of Mathematics/Science, 3 credit hours in Social Science/Humanities, and 3 credit hours in computer literacy. The additional 45 credit hours are general electives. An optional capstone experience and an optional defined area of emphasis encompassing a broad range of content areas may be included. The structure of the degree assures flexibility in program design to meet the individual needs of adult students. The required general education courses assure the development of essential skills and competencies necessary for an associate degree level graduate. The general electives, with the opportunity for a defined area of emphasis, allow students to demonstrate and document a defined occupational proficiency. Students are encouraged to explore various options for obtaining credit for prior learning experiences including course articulation, standardized exams, challenge exams, credential validation and portfolio credit. Students who choose to earn credit for college-level learning acquired through professional work experience or other life experiences must complete the portfolio development course and submit a portfolio. The portfolio provides the opportunity for equating documented, college level, experiential learning to college credit. College courses successfully completed at regionally accredited institutions may be transferred into the program and applied toward the 60 credit requirement.

A student may apply any or all methods of extra-institutional credit toward the completion of the Board of Governors A.A.S. degree. Further details can be obtained by contacting the Advising Center or the Dean of Academic Affairs.

Graduation Grade Point Average: 2.0

Residency Requirement: 12 credit hours from a regionally accredited higher education institution. A minimum of 3 credits required at the host institution. Petition for exception to the residency requirement may be made to the Chief Academic Officer of the host institution.

Academic Forgiveness: All F's earned in College courses earned four or more years before admission to program are disregarded from the computation of the graduation grade point average. The "F" grades will not be deleted from the transcript.

Grades and Grading: Grading will follow the institution's current grading policy.

Admission Requirements: Students are eligible for admission to the program two years after graduation from high school. In case of those passing a high school equivalency examination, admission must be two years after their high school class has graduated. **A student with a regionally accredited associate level or baccalaureate degree is excluded from admission to the Board of Governors Associate in Applied Science degree program.**

CIP Code: 240102

General Education Core Requirements (15 Credits)

Associate in Applied Science General Education Requirements

Communications (3 Credits)

Mathematics/Sciences (6 Credits)

Social Sciences/Humanities (3 Credits)

Computer Literacy (3 Credits)

General Electives (45 Credits)

Includes credit hours for optional area of emphasis, portfolio course, and capstone course.

WVROCKS CLASSES: In an effort to make college more accessible to all West Virginians, the West Virginia Remote Online Collaborative Knowledge System (WVROCKS) has been designed. WVROCKS classes can be used to fulfill requirements in this program. For more information, visit the WVROCKS website at <http://webhost-wp.wvnet.edu/wvrocks/>. Available courses can be found on Northern's academic schedule under the subject ROCK.

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Business Administration Transfer Option, A.S.

Major Code: 104

This option is designed for students preparing for transfer to a four-year institution to complete work in professional areas of accounting, banking and finance, economics, general business, management, marketing, office administration or related business professions. Students should consult with their advisor regarding requirements.

In addition to general education outcomes, students successfully completing and receiving an A.S. degree under this program will be able to:

- Implement the full accounting cycle for various types of organizations
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

In addition to the overall competencies of the Business Administration Program, upon completion of this program graduates will be able to transfer into a baccalaureate program.

CIP Code: 52.0101

First Year

Fall Semester (16 Credits)

- BA 100 - Introduction to Business **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s) ***
- SCI - Science Core Requirement (Life Science) **4 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (13 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement (Physical Science) **4 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**

Total Credits (60)

In addition, students who plan to transfer to West Virginia University must have at least a 2.5 GPA and should take MATH 279. However, MATH 279 is not eligible for financial aid in this program.

*Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Science Program listed below.

General Education Core Requirements

Associate in Science General Education Requirements

Business Administration, Business Studies, A.A.S.

Major Code: 121

This option is designed for students who desire to explore the various opportunities available in business. The curriculum will provide a solid general business education and the necessary skills for graduates to enter the work force.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Implement the full accounting cycle for various types of organizations
- Market and promote products
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

Graduates of this program can expect to obtain employment in positions such as supervisors, accounts adjustor, operations manager, assistant managers, and customer service representatives.

Graduates can expect to be employed in government agencies, health care facilities, industrial and manufacturing plants, human resource departments, and entrepreneurs. According to the U.S. Labor Department, jobs in the business area rank in the top 10 for the next millennium.

Students who are planning to transfer to a four-year institution to obtain a bachelor's degree in Business Administration should take one of the following: the Business Administration Transfer Option, A.S. degree, the Business Administration 2+2 to WLU, A.S. degree, or the Business Administration, Pre-Business Studies 2+2 to WVU, A.A.S. degree. Students should contact an advisor from the transfer institution as soon as possible regarding transferability of specific courses.

Additional University Transfer Options:

- Completion of this program offers students the option of transferring to the following college to complete a four-year degree:
 - Robert Morris University
 - Franciscan University of Steubenville
 - West Virginia State University
 - West Liberty University

CIP Code: 520101

First Year

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 100 - Introduction to Business **3 Credit(s)**
- Choose
- CIT 117 - Microsoft Applications **3 Credit(s)**
- Or
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- BA 265 - Business Communications **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- Choose
- MATH 108 - College Algebra **4 Credit(s)**
- or
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- BA 223 - Business Finance **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- MGT 250 - Principles of Management **3 Credit(s)**
- MGT 253 - Small Business Management **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 222 - Computerized Accounting **3 Credit(s)**
- BA 241 - Business Law II **3 Credit(s)**
- BA 275 - Entrepreneurship **3 Credit(s)**

- MKT 230 - Principles of Marketing **3 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Business Office, Business Career Studies, C.A.S.

Major Code: 156

Students selecting the Business Office option will be given training in word processing, transcription, spreadsheet applications, and office procedures which are essential in providing the administrative support in today's office environment.

In addition to General Education Outcomes, upon completion of the Business Office option, graduates will be able to:

- Create business documents using word processing software.
- Produce mailable documents from dictated materials.
- Create business documents using spreadsheet and database software.
- Integrate electronic office/business skills with decision-making skills.
- Compose various types of business correspondence applying appropriate writing techniques, accurate spelling, correct punctuation, and proper grammar.
- Demonstrate a knowledge of records management principles and filing procedures in maintaining business documents.

Occupations available for students completing program requirements include the following: general office clerk, office support clerk, transcriptionist, word processor, file clerk, receptionist, and information clerk.

Graduates may expect to obtain entry-level employment in insurance firms, banks, law offices, medical offices, and industrial offices.

Students completing the competencies in the following courses should be prepared to pursue Microsoft Office Specialist (MOS) certification in the following area:

- Microsoft Word I - Microsoft Certified Application Specialist: Microsoft Office Word.

Microsoft Office Specialist (MOS) certification is possible in this program area. Employment possibilities are much higher with certification in specific software applications.

CIP Code: 520401

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
or
- MGT 250 - Principles of Management **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- BA 265 - Business Communications **3 Credit(s)**
- BA 241 - Business Law II **3 Credit(s)**
or
- MKT 230 - Principles of Marketing **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- CIT 112 - Access **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Community Education 2+2 to WLU, A.A.

Transfer to West Liberty University

Major Code: 335

Note: The "2+2" term is used to refer to a transfer agreement through which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. The term "2+2" does not imply a guarantee that a student will be able to complete all requirements in four years.

Students successfully completing this option will receive an A.A. degree from West Virginia Northern. Upon **successfully** completing the specified credit hours at West Liberty University, they will receive a B.A. degree in Community Education. The program is designed for students who have an interest in education that is not limited to "traditional teacher education" in the classroom and/or for students who are interested in the non-profit world. The program allows students to choose from 5 different majors, including: Community Arts, Disabilities Services, Outdoor Education, Sports, Recreation and Wellness, Teaching Education and Global Education. The program trains individuals to serve as educators or facilitators in a community-based setting and/or as non-profit administrators. Many of the courses in the Community Education program include field experiences in the local community and/or community based settings.

Students are encouraged to communicate and collaborate with individuals, groups, and institutions of the community on a local, national, and even international level through networking, service learning experiences, and experiential learning. Students are trained in how to serve the community through the non-formal education of children, adults, and communities through a broad set of course work.

Students successfully completing and receiving an A.A. degree under the 2+2 Community Education program with WLU should be able to:

- Demonstrate knowledge of human development, culture, and exceptionalities.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the 2+2 Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

Students are encouraged to meet with the Community Education Program Advisor at WLU early in their program of study at WVNCC to obtain information and advising concerning the program. Consult your WVNCC advisor for further information.

Note: Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. Students with questions about this should contact the Program Director.

CIP Code: 240101

First Year

Fall Semester (14/15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- Elective **2 Credit(s) ++**

Spring Semester (15 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s) +**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- Restricted Elective **3 Credit(s)** ***
- Science Core Requirement **4 Credit(s)**
- Fine Arts Core Requirement **3 Credit(s)***

Spring Semester (15 Credits)

- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG - Literature Core Requirement **3 Credit(s)** **
- GEOG 205 - World Geography **3 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (60-61)

* Choose from ART 150 or MUS 105

+ Choose from: HIST 100, HIST 101, HIST 110, HIST 111

++ Can be any course (minimum 2 credit hours) that is not already required in the program.

** Choose from ENG 200, ENG 201, ENG 210, ENG 211

*** Choose from MGT 250 or MGT 253

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Arts General Education Core Requirements

Compressor Mechanic, A.A.S.

Financial aid eligibility pending

Major Code: 351

This program trains students to become Compressor Mechanics in the natural gas industry and other related industries. Students in this program will learn to troubleshoot, repair and maintain natural gas compressors.

1. Practice conventional industrial safety and communication

2. Perform compressor troubleshooting, repair, maintenance and operation
3. Explain natural gas compressor operating principles
4. Apply principles of mechanical, hydraulic, pneumatic and electrical systems to natural gas compressors and related equipment

ed equipment

CIP Code 47.0303

First Year

Fall Semester (15 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
CMEC 101 Basic Engine Operations **Credits / Units: 3**
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (15/16 Credits)

- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
CMEC 102 Intro to Gas Compressor Maintenance **Credits / Units: 3**
Credits / Units: 3
Choose
- MATH 101 - Intermediate Algebra **3 Credit(s)**
Or
- MATH 108 - College Algebra **4 Credit(s)**
Or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
CMEC 103 Advanced Gas Compressor Maintenance **Credits / Units: 3**
CMEC 104 Engine Operations and Systems **Credits / Units: 3**
- MEC 115 - Instrumentation I: Mechanical **3 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**

Spring Semester (15 Credits)

- CMEC 105 Advanced Compressor Topics **Credits / Units: 3**
- CMEC 106 Advanced Engine Topics **Credits / Units: 3**
- CMEC 107 Compressor Package Operation & Troubleshooting **Credits / Units: 3**
- MEC 235 - Instrumentation II Electrical **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**

Total Credits (60/61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Compressor Mechanic, C.A.S.

Financial aid eligibility pending

Major Code: 350

This program trains students to become Compressor Mechanics in the natural gas industry and other related industries. Students in this program will learn to troubleshoot, repair and maintain natural gas compressors.

1. Practice conventional industrial safety and communication
2. Perform compressor troubleshooting, repair, maintenance and operation
3. Explain natural gas compressor operating principles
4. Apply principles of mechanical, hydraulic, pneumatic and electrical systems to natural gas compressors and related equipment

CIP Code 47.0303

Fall Semester (15 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
- CMEC 101 Basic Engine Operations **Credits / Units: 3**
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (15-16 Credits)

- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

CMEC 102 Intro to Gas Compressor Maint. **Credits / Units: 3**

Choose

- MATH 101 - Intermediate Algebra **3 Credit(s)**
Or
- MATH 108 - College Algebra **4 Credit(s)**
Or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Total Credits (30-31)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Computer Information Technology A+ Computer Repair, C.A.S.

Major Code: 355

This program will provide students with short-term training to obtaining entry-level positions in computer and/or business offices. Graduates can obtain entry-level employment in a variety of firms that require technical computer repair and services.

Students in the Computer Information Technology, CAS A+ Computer Repair option will receive hands-on training using Windows, computer hardware upgrading, and network installation.

Upon completion of this program, graduates will be able to:

- Apply features and commands of various operating systems.
- Apply Learn the fundamentals of networks.
- Use Learn the basic operating system functions of Linux.
- Troubleshoot computer problems related to disks and files accurately.
- Perform a network installation and interface of hardware components.
- Apply Learn principles of building, repairing, and upgrading computers.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Job Titles: Computer repair technician, PC operator, Helpdesk technician, End-user support specialist

Wage and Employment Trends:

- \$29,000 Annual (Onet, 2018)
- Certification Options: Microsoft Office Specialist, COMPTIA A+, COMPTIA N+, COMPTIA LINUX

CIP Code: 110103

Fall Semester (15 Credits)

- CIT 105 - Operating Systems **3 Credit(s)**

- CIT 117 - Microsoft Applications **3 Credit(s)**
- CIT 123 - A+ Hardware Essentials **3 Credit(s)**
- CIT 202 - Computer Support - Helpdesk/Applications **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- CIT 142 - Networking Essentials **3 Credit(s)**
- CIT 184 - Network + Fundamentals of Networking **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- MATH - Mathematics Core Requirement **3 Credits(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Computer Information Technology, Cyber Security, A.A.S.

Major Code: 339

This program is designed for those who want to work in the cyber security field of computer information technology.

In addition to General Education Outcomes, students should be able to:

1. Demonstrate competency in one of the following areas related to fundamental security concepts, including but not limited to operating systems, hardware and software applications.
2. Demonstrate understanding of various applications of secure computing.
3. Apply secure practices in various computing environments.
4. Apply problem-solving and critical thinking skills.
5. Troubleshoot security issues in computer applications.
6. Complete an internship in the field of cyber security.

According to the Bureau of Labor Statistics, U.S. Department of Labor, employment of information security analysts is projected to grow 37 percent from 2012 to 2022, much faster than average for all occupations. Demand for information security analysts is expected to be very high as these analysts will be needed to come up with innovative solutions to prevent hackers from stealing critical information or creating havoc on computer networks. Most information security analysts can work for computer companies, consulting firms, federal or state government agencies, or business and financial companies.

University Transfer Options:

- Completion of this program offers student the option of transferring to the following college to complete a four-year degree:
 - Robert Morris University

Job Titles: Software Developer, Software Designer, Applications Specialist, Network Administrator, Network Engineer

Employment Trends:

- West Virginia projected job market increase 24% by 2024 (Onet, 2018)
- Possible Certifications: COMPTIA N+, COMPTIA LINUX, Microsoft Office Specialist, CISCO CCENT

CIP Code: 111003

First Year

Fall Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- CIT 123 - A+ Hardware Essentials **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 142 - Networking Essentials **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- CIT 222 - Technology Ethics **3 Credit(s)**
- CIT 275 - Microsoft Server Administration and Virtualization **3 Credit(s)**
Choose
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or

- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- CIT 106 - Principles of Ethical Hacking **3 Credit(s)**
- CIT 184 - Network + Fundamentals of Networking **3 Credit(s)**
- CIT 235 - Introduction to Cloud Computing **3 Credit(s)**
- CIT 245 - Information Security Fundamentals **3 Credit(s)**
- CIT 250 - IT Analysis, Design, and Career Prep **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 219 - Secure Computer User **3 Credit(s)**
- CIT 255 - Cybersecurity Network Defense **3 Credit(s)**
- CIT 291 - CIT Internship and Certification **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- Or
- PSYC 155 - Human Relations **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Computer Information Technology, Cyber Support, A.A.S.

Major Code: 356

This program provides students with the technical skills required for Microsoft application certification exams and end user support.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

1. Demonstrate competency in one of the following areas related to fundamental security concepts, including but not limited to operating systems, hardware and software applications.
2. Demonstrate competency in various business applications of computing including and not limited to end-user applications.
3. Apply problem-solving and critical thinking skills.
4. Troubleshoot issues in computer applications.
5. Complete an internship in the field of information technology.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Job Titles: Application Developer, Computer Consultant, Information Technology Analyst, Telecommunications Analyst, Help Desk Engineer, Help Desk Specialist

Wage and Employment Trends:

- \$29,000 Annual (Onet, 2018)
- Faster than Average Projected Growth (9% 2014-2024) (Onet, 2018)
- Certification Options: Microsoft Office Specialist, COMPTIA A+, COMPTIA LINUX

CIP Code: 110103

First Year

Fall Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- CIT 123 - A+ Hardware Essentials **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 107 - Excel **3 Credit(s)**
- CIT 112 - Access **3 Credit(s)**
- CIT 142 - Networking Essentials **3 Credit(s)**
- CIT 275 - Microsoft Server Administration and Virtualization **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15-16 Credits)

- CIT 160 - PowerPoint/Microsoft Publisher **3 Credit(s)**
- CIT 202 - Computer Support - Helpdesk/Applications **3 Credit(s)**

- CIT 250 - IT Analysis, Design, and Career Prep **3 Credit(s)**
Math Core Requirement 3-4 Credits*
Choose
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
Or
- PSYC 155 - Human Relations **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 219 - Secure Computer User **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- CIT 222 - Technology Ethics **3 Credit(s)**
- CIT 291 - CIT Internship and Certification **3 Credit(s)**
CIT Elective excluding CIT 117 **Credits / Units: 3**

Total Credits (60-61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

*Associate in Applied Science General Education Requirements

Computer Information Technology, Microsoft Applications, C.A.S.

Major Code: 360

This program will provide students with short-term training to obtain entry-level positions in computer and/or business offices.

Students in the Microsoft Applications, C.A.S., will receive hands-on training using Excel, PowerPoint, Word and Publisher. Occupations available for students completing program requirements include the following: software applications user, help desk technician and end user support. Graduates can obtain entry-level employment in a variety of firms that require an expertise in using Microsoft applications. The program also prepares the students for the MOS Certification exams.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

In addition to General Education Outcomes, transfer students should be able to:

- Use and apply features and commands of various operating systems.
- Develop complex spreadsheets with Excel.
- Develop presentations with PowerPoint.
- Develop documents in Publisher.
- Develop documents in Word.
- Troubleshoot Microsoft Office problems.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Job Titles: Applications Developer, Computer Consultant, Information Technology, Telecommunications Analyst, Help Desk

Wage and Employment Trends:

- \$29,000 Annual (Onet, 2018)
- Certification Options: Microsoft Office Specialist

CIP Code: 110103

Fall Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
 - CIT 105 - Operating Systems **3 Credit(s)**
 - CIT 120 - Microsoft Word I **3 Credit(s)**
 - CIT 123 - A+ Hardware Essentials **3 Credit(s)**
 - CIT 160 - PowerPoint/Microsoft Publisher **3 Credit(s)**
- Choose

Spring Semester (15 Credits)

- CIT 107 - Excel **3 Credit(s)**
 - CIT 112 - Access **3 Credit(s)**
- Choose
CIT Elective (any eligible CIT class except CIT 117) **Credits / Units: 3**
- ENG 101 - College Composition I **3 Credit(s)**
- Or
- ENG 115 - Technical Writing **3 Credit(s)**
- Math - Mathematics Core Requirements **Credits / Units: 3**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met

this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Computer Information Technology, Software Engineering, A.A.S.

Major Code: 179

This program prepares students with practical skills and knowledge for entry-level positions within the software engineering profession. Software engineering relates to the concept, design, implementation, deployment and maintenance of software. The program seeks to provide the theoretical fundamentals of software development coupled with an understanding and application of practical aspects and competencies required by industry. The program is designed to support innovation through the application of software engineering principles to solve business problems.

In addition to General Education Outcomes, upon completion of this program, students will be able to:

- Develop a broad foundation of various programming languages and platforms.
- Provide students with an understanding of software engineering principles.
- Instruct students in conceptualization, proposal development, database design, interface design, system architecture, documentation, presentation, and delivery.
- Develop, within students, an appreciation for the importance of excellent business and communication skills in a typical software engineering environment.
- Assist graduates in obtaining entry-level positions in the field of software engineering.

Graduates may work in software design, testing, maintenance and development, database administration, and web development. Graduates may also qualify for entry-level management positions in a technical capacity.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following college to complete a four-year degree:
 - Robert Morris University

Job Titles: Computer Consultant, Information Technology Analyst, Software Architect, Software Developer, Software Engineer, Technical Consultant.

Wage and Employment Trends:

- \$41,000-\$64,000 Annual (Onet, 2018)
- Much Faster than Average Projected Job Growth (12%) (Onet, 2018)
- Certification Option: Microsoft Office Specialist

CIP Code: 110103

First Year

Fall Semester (15 Credits)

- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- CIT 187 - HTML/CSS **3 Credit(s)**
- CIT 232 - Introduction to Programming Logic **3 Credit(s)**

Choose

- ENG 101 - College Composition I **3 Credit(s)**
- Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 176 - Visual Basic Programming **3 Credit(s)**
- CIT 185 - Database Design and SQL **3 Credit(s)**
- CIT 215 - JavaScript **3 Credit(s)**
- CIT 272 - Object Oriented Programming/Data Structures **3 Credit(s)**

Math Core Requirement 3 Credits ##

Second Year

Fall Semester (15 Credits)

- CIT 218 - Microcontrollers and IoT **3 Credit(s)**
 - CIT 237 - Advanced Database Programming **3 Credit(s)**
 - CIT 250 - IT Analysis, Design, and Career Prep **3 Credit(s)**
 - CIT 256 - Collaborative Software Development **3 Credit(s)**
- CIT Elective ##

Spring Semester (15 Credits)

- CIT 217 - Game Development Fundamentals **3 Credit(s)**
 - CIT 220 - Unix/Linux **3 Credit(s)**
 - CIT 291 - CIT Internship and Certification **3 Credit(s)**
- Choose
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
 - Or
 - PSYC 155 - Human Relations **3 Credit(s)**
- Choose
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
 - Or
 - SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Total Credits (60)

* Choose from any other CIT course except CIT 117.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Criminal Justice, A.A.S.

Major Code: 234

The Criminal Justice program is designed for students interested in pursuing a career in the legal professions such as law enforcement, corrections and private investigation. Students will learn how these professions integrate into a system of criminal justice. This program is offered in two formats allowing students to choose from the traditional on-campus experience or a completely online experience.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

- Analyze the impact of substantive and procedural case law on law enforcement, juvenile justice, and the correctional system.
- Employ information access and literacy skills in the research of Criminal Justice topics.
- Describe the internal operations of agencies on the local, state, and federal levels that comprise our nation's criminal justice system.
- Identify basic law enforcement investigative techniques, crime scene preservation and analysis techniques.
- Explain the development and implementation of Homeland Security and how this agency identifies and counteracts international threats and terrorism.
- Examine the current events and issues that law enforcement and the criminal justice system must deal with in today's society.
- Describe the rights of the accused from arrest to post conviction appeals, including how relevant agencies determine a balance between individual rights and social order.

Currently many graduates of the Criminal Justice program are employed in the West Virginia State Police and Ohio State Highway Patrol agencies as well as in various law enforcement agencies in the Upper Ohio Valley. Many graduates are working in the correctional field as correctional officers, adult and juvenile case workers and as treatment specialists both in the public and private domain.

Future employment opportunities, according to experts in the field of criminal justice, will continue to grow at the federal, state and local levels. New positions include computer analysts specializing in internet crimes, forensic technicians and criminal profilers.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following colleges to complete a four-year degree in Criminal Justice:

Franciscan University of Steubenville

Ohio University

Robert Morris University

Salem University

West Liberty University

WVU - Potomac State College

First Year

Fall Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- CRJ 104 - Introduction to Criminal Justice Systems **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Restricted Elective **3 Credit(s) ##**

Spring Semester (15 Credits)

- CRJ 245 - Introduction to Juvenile Justice System **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- Restricted Elective **3 Credit(s) ##**

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
or
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- CRJ 201 - Introduction to Corrections **3 Credit(s)**
- CRJ 220 - Criminal Law **3 Credit(s)**
- CRJ 225 - Terrorism and Homeland Security **3 Credit(s)**
- CRJ 276 - Criminology **3 Credit(s)**

Spring Semester (15/16 Credits)

- CRJ 221 - Criminal Procedure **3 Credit(s)**
- CRJ 235 - Field Service **3 Credit(s)**
- CRJ 251 - Problems in Criminal Justice **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
or

- MATH 116 - Mathematics Appreciation **3 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**

Total Credits (61-62)

Choose from: CRJ 110, CRJ 115, CRJ 205, CRJ 209, CRJ 246, CRJ 230

IMPORTANT TRANSFER INFORMATION: For students who plan on transferring, MATH 108 or MATH 210 are recommended. Contact your advisor for specific requirements.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Culinary Arts, A.A.S.

Major Code: 322

The Culinary Arts Program, accredited by the American Culinary Federation, is designed to meet the demands for well-trained food service personnel with an emphasis on development of basic techniques of commercial food preparation. Exposure to many facets of food preparation as well as nutrition, sanitation, menu planning, and personnel management used by the professional culinarian are included in the program. Hands-on experience is a high priority in the laboratory classes, building a solid foundation of basic cooking skills. Upon completion of the program students can obtain employment as cook, baker, sous chef, kitchen manager or supervisor, lead cook in restaurants, hotels, catering operations and other food service organizations. The program provides students with the opportunity to meet the requirements for certification by the American Culinary Federation.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Prepare all types of meals using safe, sanitary and nutritional skills
- Use correct knife skills, kitchen equipment and kitchen related appliances
- Demonstrate customer service techniques
- Demonstrate skills in financial planning, menu planning
- Explain key laws and regulations for food service establishments
- Prepare for the entry level of certification in the American Culinary Federation

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Uniforms are required for CART 131, CART 145, CART 151, CART 159, CART 231, CART 240 and CART 241.

Job Titles: Back Line Cook, Banquet Cook, Breakfast Cook, Cook, Fry Cook, Grill Cook, Line Cook, Pastry Baker, Prep Cook

Wage and Employment Trends:

- \$23,900 Average Annual Salary (2020) in WV
- \$11.49 average per hour in WV
- 1180 Projected job openings between in WV (2018-2028)
- 237,200 Projected job openings in the US (2019-2029)

Wage and employment trends based on Department of Labor and ONET statistics.

CIP Code: 120503

First Year

Fall Semester (17 Credits)

- CART 121 - Food Service Sanitation and Safety **2 Credit(s)**
- CART 124 - General Nutrition **3 Credit(s)**
- CART 131 - Bakeshop **3 Credit(s)**
- CART 145 - Elements of Commercial Food Preparation and Service **3 Credit(s)**
- CART 159 - Basic Food Science **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

Spring Semester (16 Credits)

- CART 125 - Essentials of Dining Services **3 Credit(s)**
- CART 151 - Meat, Poultry and Seafood Preparation **3 Credit(s)**
- CART 175 - Advanced Food Science **3 Credit(s)**
- CART 251 - Culinary Internship **4 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- CART 223 - Personnel Supervision for the Hospitality Industry **3 Credit(s)**
- CART 235 - American Cuisines **3 Credit(s)**
- CART 240 - Garde Manger **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- SS - SS Core Requirement **3 Credit(s)**

Spring Semester (13 Credits)

- CART 231 - Pastry Preparation **3 Credit(s)**
- CART 241 - Classical Cuisines **3 Credit(s)**
- CART 245 - Menu, Purchasing and Cost Control **3 Credit(s)**
- CART 275 - Senior Seminar **1 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Total Credits (61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science degree listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Culinary Arts, C.A.S.

Major Code: 323

This program is designed to provide a certificate of achievement in food preparation with one year of training. It emphasizes basic techniques of food preparation. Hands-on experience in the laboratory classes is included to build a foundation of basic cooking skills and commercial food sanitation skills. Upon completion of the program students are prepared to obtain positions as prep cooks and other entry level kitchen positions in restaurants, fast food establishments, hotels and other food service operations. The certificate program prepares students for a seamless transition to the Culinary Arts, Associate in Applied Science program.

In addition to General Education Outcomes, upon completion the student should be able to:

- Prepare all types of meals using safe, sanitary and nutritional skills
- Use correct knife skills, kitchen equipment and kitchen related appliances
- Demonstrate customer service techniques
- Demonstrate skills in financial planning, menu planning
- Explain key laws and regulations for food service establishments

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Uniforms are required for CART 131, CART 145, CART 151, and CART 159.

Job Titles: Prep cook and other entry-level kitchen positions in restaurants, fast food establishments, hotels and other food-service operations.

Wage and Employment Trends:

- \$23,900 Average Annual Salary (2020) in WV
- \$11.49 average per hour in WV
- 1180 Projected job openings between in WV (2018-2028)
- 237,200 Projected job openings in the US (2019-2029)

Wage and employment trends based on Department of Labor and ONET statistics.

CIP Code: 120505

Fall Semester (17 Credits)

- CART 121 - Food Service Sanitation and Safety **2 Credit(s)**
- CART 124 - General Nutrition **3 Credit(s)**

- CART 131 - Bakeshop **3 Credit(s)**
- CART 145 - Elements of Commercial Food Preparation and Service **3 Credit(s)**
- CART 159 - Basic Food Science **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

Spring Semester (15 Credits)

- CART 125 - Essentials of Dining Services **3 Credit(s)**
- CART 151 - Meat, Poultry and Seafood Preparation **3 Credit(s)**
- CART 175 - Advanced Food Science **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)**

Total Credits 32

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Early Childhood: Care and Education (Paraprofessional Educator), A.A.S.

Major Code: 329

This program is designed for those who want to work with children from birth-adolescence. Graduates can be expected to fill paraprofessional or professional positions in private or public agencies that provide early care and/or education services. This program meets the requirements of the WV Department of Education's paraprofessional educator's certificate (available at <http://wvde.state.wv.us/policies>); therefore individuals with this degree should also be eligible for positions as teacher's aides in the public school system. It also fulfills the majority of requirements for Early Childhood Assistant Teachers in West Virginia and for employment in child care centers and independent pre-school programs.

Students who eventually plan to complete a bachelor's degree in a related field can use this degree as a foundation for transfer, but it is recommended that students who plan to complete a bachelor's degree before beginning employment consider completing additional requirements for an Associate in Arts 2+2 or transfer degree in Elementary Education, Secondary Education, or Early Childhood Education to maximize transferability of courses.

Students who eventually plan to complete a bachelor's degree in a related field can use this degree as a foundation for transfer, but it is recommended that students who plan to complete a bachelor's degree before beginning employment consider completing additional requirements for an Associate in Arts 2+2 or transfer degree in Elementary Education, Secondary Education, or Early Childhood Education to maximize transferability of courses.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

- Explain basic concepts, theories, and strategies used in early childhood care and education.
- Design and implement developmentally appropriate activities for children of different ages and ability levels in a childcare/educational setting
- Describe similarities and differences in the developmental milestones of infant, toddler, pre-school, and school - age children.
- Demonstrate professionalism and apply discipline-based ethics in childcare/educational settings by successfully completing an internship.
- Explain cultural, family, and individual influences on a child's development and service delivery.

Employment outlook is currently above average, but is dependent upon changing local, regional, and national needs. Salaries tend to be low-moderate for graduates, depending on location, type of facility, and the prospective employee's level of education and work experience. This program is designed to prepare individuals for entry-level positions in day care, preschools, and public school systems, or to prepare them for transfer to baccalaureate programs in early childhood education

NOTE: Two specialized programs which provide credit for credentials completed outside the college setting are available for students who possess either a U.S. Department of Labor Apprenticeship Certificate (ACDS) and/or a Child Development Associate (CDA) credential. (See Occupational Development, A.A.S. and Technical Studies, A.A.S. in the Center for Economic and Workforce Development section.) Contact an advisor for additional information.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following university to complete a four-year degree:
 - West Virginia University - BS in Child Development and Family Studies, Child Development Emphasis

Job Titles: Assistant preschool teacher, caregiver, childcare provider, teacher's aide (US Dept of Labor, 2017)

Wage and Employment Trends:

- \$18,000 to \$25,000 annually
- Average Projected Job Growth (2% job growth over the next seven years) (US Dept of Labor, 2017)

CIP Code: 131210

First Year

Fall Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**

Spring Semester (15/16 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- ECCE 214 - Child Observation and Assessment **3 Credit(s)**
- MATH - Restricted Mathematics Core **3(4) Credit(s) ***
- PSYC 208 - Developmental Psychology **3 Credit(s)**

- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s) #**

Second Year

Fall Semester (16/17 Credits)

- ECCE 212 - Child, Family, and Community **3 Credit(s)**
- ECCE 220 - Language and Literacy **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- SCI - Science Core Requirement **3(4) Credit(s) *****
- Restricted Elective **3 Credit(s) ##**

Spring Semester (15 Credits)

- ECCE 208 - ECCE Field Experience **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s) #**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- PSYC 218 - Exceptional Children **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Elective - can be any 3 credit college-level course **3 Credit(s)**

Total Credits (61-63)

Recommended choice for transferring students.

Choose one course from the following: ART 150, MUS 105, HIST 110 or HIST 111, MGT 250 or MGT 253, or SS 207.

* Restricted Math Core must be chosen from MATH 108#, MATH 210#, MATH 204 or MATH 205.

*** BIO 110, BIO 112, or BIO 113 are recommended.

** Before registering for the field experience, students must apply to and be accepted by an approved educational institution, or child care agency. There is also a class requirement of 2 hours every other week.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Education: Elementary Education, A.A.S. (Transfer to West Liberty University)

Major Code: 391

Note: This program is through a transfer agreement in which a student completes an Associate's degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this option will receive an A.A.S. degree from West Virginia Northern. Upon successfully completing the specified credit hours at West Liberty University, students will receive a B.A. degree in Elementary Education.

Students successfully completing and receiving an A.A.S. degree under the Elementary Education transfer agreement with WLU will be able to:

- Demonstrate knowledge of human development, developmentally appropriate practice, effects of family and culture on children, educational systems, and exceptionalities.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

To be admitted to the WLU program, students must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the students time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which includes direct instruction, simulations, and group discussions. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.

- It is recommended that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirements as outlined in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education and English faculty at WLU early in their program of study at WVNCC to obtain information and advising concerning the program.

Consult your WVNCC advisor for further information.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 131202

First Year

Fall Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST 110 - The United States to 1865 **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**

Spring Semester (17 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HIST 111 - The United States Since 1865 **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- ECCE 220 - Language and Literacy **3 Credit(s)**
- ENG - Literature Core Requirement* **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- MATH 204 - Mathematics for Elementary Teachers I **4 Credit(s)**
- MUS 105 - Music Appreciation **3 Credit(s)**

Spring Semester (13 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- MATH 205 - Mathematics for Elementary Teachers II **4 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (62)

A minimum of "C" is required in all courses to be used for transfer.

*Choose from ENG 200, ENG 201, ENG 210, or ENG 211.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Education: PK-5 Elementary Education, A.A.S. (Transfer to FUS)

Transfer to Franciscan University of Steubenville

Major Code: 390

Note: Under this transfer agreement, a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years.

Students successfully completing this option will receive an Associate in Applied Science degree from West Virginia Northern. Upon successfully completing the remaining specified credit hours at Franciscan University they will receive a Bachelor of Science Degree in Education, with eligibility for the initial Ohio teaching license upon successful completion of the educator preparation program. In addition to the WVNCC courses, applicants for admission to a Franciscan University Teacher Education program must meet the following criteria:

- Submit a transcript to Franciscan University verifying an overall grade point average of 2.5.*
- Successful completion of the PRAXIS CORE (reading, mathematics, & writing); (**Note: Students must provide evidence that they have passed all parts of the PRAXIS prior to acceptance & enrollment in classes in the Teacher Preparation Program. Students who do not pass the PRAXIS CORE are not eligible for licensure.**)
- Submit a written application for admission to teacher education to the Department of Teacher Preparation Programs.
- Submit two positive recommendations from faculty.
- Positive recommendation by the Education Unit faculty.

In addition to General Education Outcomes, students successfully completing and receiving an A.A.S. degree under the articulation agreement with Franciscan University's educator preparation program should be able to:

- Demonstrate knowledge of the history of the profession of education.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in education.
- Demonstrate knowledge of the major theories of human development.
- Demonstrate knowledge of the issues related to standards of the teaching profession.

- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the A.A.S. degree.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If a student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny the student employment or placement in certain settings, even if he or she has completed all academic requirements. If the student has ever been convicted of a felony or misdemeanor, he or she should contact the appropriate Program Director or Division Chair.

CIP Code: 131202

First Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** +
- HS 147 - Understanding Human Diversity **3 Credit(s)**

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- ECCE 220 - Language and Literacy **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- MATH 204 - Mathematics for Elementary Teachers I **4 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**

Spring Semester (16 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- ECCE 214 - Child Observation and Assessment **3 Credit(s)**
HUM - Humanities Core (Literature) **3 Credit(s) Credits / Units: 3**
- MATH 205 - Mathematics for Elementary Teachers II **4 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (61)

A minimum of a "C" is required in all courses for transfer.

+ Choose from: HIST 100 or HIST 101.

*** Choose from: ENG 200, ENG 201, ENG 210, or ENG 211.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Education: Pre-K, K Early Intervention, A.A.S. (Transfer to West Liberty University)

Major Code: 394

Note: This program is through a transfer agreement in which a student completes an Associate's degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this option will receive an A.A.S. degree from West Virginia Northern. Upon successfully completing the specified credit hours at West Liberty University, students will receive a B.A. degree in Elementary Education: Major: Early Intervention.

Students successfully completing and receiving an A.A.S. degree under the agreement with WLU in the Education: Pre-K, K Early Intervention program with WLU will be able to:

- Demonstrate knowledge of human development, developmentally appropriate practice, effects of family and culture on children, educational systems, and exceptionalities.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Applied Science degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.

- Acquire a cultural, artistic and global perspective.
- Demonstrate professional and human relations skills.

To be admitted to the WLU program, students must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the students time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which includes direct instruction, simulations, and group discussions. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.
- It is recommendation that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirement as outlines in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education faculty at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal backgrounds checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 131209

First Year

Fall Semester (16 Credits)

- ECCE 100 - Foundations of Education **3 Credit(s)**
- ECCE 212 - Child, Family, and Community **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (17 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- ECCE 220 - Language and Literacy **3 Credit(s)**
- HIST - History Core **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
- MUS 105 - Music Appreciation **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**

Spring Semester (12 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- ECCE 214 - Child Observation and Assessment **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (60)

A minimum of "C" is required in all courses to be used for transfer.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Arts General Education Requirements

Education: Secondary Education, English Specialization, A.A. (Transfer to West Liberty University)

Major Code: 388

Note: This program is through a transfer agreement in which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this degree will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WLU, they will receive a Bachelor of Arts degree in Teacher Education (Secondary) with an English specialization.

Students successfully completing and receiving an A.A. degree under the agreement with WLU in the Teacher Education with an English specialization will be able to:

- Demonstrate knowledge of important literary works and writers and their relationship to historical and sociological events.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the concentration field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

In addition to the WVNCC courses, applicants for admission to the Teacher Education program at WLU must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the student's time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which is a twelve (12) field-based experience which includes direct instruction, simulations, and group discussions. Minimum grade of "C" is required. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.
- It is recommended that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirements as outlined in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education and English faculty at WLU early in their program of study at WVNCC to obtain information and advising concerning the program.

Consult your WVNCC advisor for further information.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

- HS 147 - Understanding Human Diversity **3 Credit(s)**
SS - Social Science Core Requirement*** **3 Credit(s)**

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- ENG 201 - American Literature Since the Civil War **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG 200 - American Literature Through the Civil War **3 Credit(s)**
- HIST - History Core Requirement** **3 Credit (3)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**

Spring Semester (16 Credits)

- ENG 211 - English Literature Since the Eighteenth Century **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Total Credits (62-63)

A minimum of "C" is required for transfer.

**Choose from HIST 100, HIST 101, HIST 110, or HIST 111

***Choose from ECON 105 or SOC 125

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Education: Secondary Education, Social Sciences Specialization, A.A. (Transfer to West Liberty University)

Major Code: 389

Note: This program is through a transfer agreement in which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this degree will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WLU, they will receive a Bachelor of Arts degree in Teacher Education (Secondary) with a Social Sciences specialization.

Students successfully completing and receiving an A.A. degree under the agreement with WLU in the Teacher Education with a Social Sciences specialization will be able to:

- Demonstrate knowledge of the discipline in the social sciences and relevant historical, political, and sociological events.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the concentration field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

In addition to the WVNCC courses, applicants for admission to the Teacher Education program at WLU must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the student's time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which is a twelve (12) field-based experience which includes direct instruction, simulations, and group discussions. Minimum grade of "C" is required. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.
- It is recommended that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirements as outlined in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education and English faculty at WLU early in their program of study at WVNCC to obtain information and advising concerning the program.

Consult your WVNCC advisor for further information.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic

requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

- HIST 100 - World Cultures I **3 Credit(s)**
or
- HIST 101 - World Cultures II **3 Credit(s)**

- HS 147 - Understanding Human Diversity **3 Credit(s)**

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
or
- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
or
- MUS 105 - Music Appreciation **3 Credit(s)**

- ENG 102 - College Composition II **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15-16 Credits)

- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- HIST 110 - The United States to 1865 **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**

ENG- English Elective *3 Credit(s) **Credits / Units: 3**

Spring Semester (14 Credits)

- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HIST 111 - The United States Since 1865 **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**
General Elective**

Total Credits (60-61)

A minimum of "C" is required for transfer.

*Choose from: ENG 200, ENG 201, ENG 210, or ENG 211

**General Elective can be chosen from any course; However SS 255 is recommended for transfer.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Electro-Mechanical Technology, A.A.S.

Major Code: 266

This program is designed to prepare individuals to be technicians in the exciting fields of electrical and mechanical maintenance, installation, trouble shooting and to work alongside engineers and technologists. The highly technological, integrated, and automated manufacturing facilities of today's modern workplace demand technicians with advanced training. Employers are looking for technicians who have strong interdisciplinary training and skillsets.

All of our technical courses have an extensive hands-on lab component as students learn skills in electrical systems, motor control, hydraulics and pneumatics, programmable logic controllers, instrumentation, workplace safety, problem solving and teamwork. These are the technical skills that employers are looking for in a technician.

As your understanding of the fundamentals grows, you will progress into more advanced courses such as: programmable controllers, pump & piping, instrumentation, and problem solving. As you advance through this program you will have the opportunity to choose an "Specialty/Emphasis On" program. This allows you to acquire more advanced training and skills in career option paths such as: Automation, Instrumentation, or Electrical Technologies. Or choose a Certificate of Applied Science in Industrial Maintenance, CAS or Energy Tech, CAS. Each of these career pathways have a set of core fundamental classes and then you will move into the chosen field of expertise. (Automation, Instrumentation or Electrical Technologies AAS.)

Upon completion of this program, graduates will be able to:

- Describe and recognize the various mechanical and electrical components used in modern industrial and manufacturing processes.
- Apply scientific and mathematical principles dealing with electrical, fluid power, and mechanical applications.
- Demonstrate hands-on troubleshooting skills on mechanical and electrical components used in modern industry and manufacturing processes.
- Demonstrate critical thinking skills for designing, installing, and maintaining mechanical and electrical systems.
- Communicate effectively using electrical and mechanical prints and other documentation.
- Develop professional skills through a work-based learning experience or simulation.

Job opportunities for technicians exist across a broad spectrum of industries. The petroleum, chemical, power generating, green energy, manufacturing, and fabricating industries are all looking for qualified employees.

CIP CODE: 15.0403

First Year

Fall Semester (14 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- MEC 115 - Instrumentation I: Mechanical **3 Credit(s)**
- MEC 140 - Programmable Controllers I **3 Credit(s)**
- PHYS 115 - Applied Physics **4 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**
or
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
- Restricted Core Elective* **3 Credit(s)**

Spring Semester (14 Credits)

- MEC 230 - Fluid Power Systems **3 Credit(s)**
- MEC 235 - Instrumentation II Electrical **3 Credit(s)**
- MEC 240 - Programmable Controllers II **3 Credit(s)**
- MEC 251 - Problem Solving & Teamwork Seminar **2 Credit(s)**
- Restricted Core Elective** 3 Credit(s)

Total Credit (60)

*Choose from MEC 105 or APT 201 .

**Choose from APT 112 , APT 230 , or APT 240 .

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Electro-Mechanical Technology, C.A.S.

Major Code: 263

The program of the Electro-Mechanical Technologies, C.A.S., is a one-year program designed to prepare individuals to be maintenance employees in the exciting fields of Electrical or Mechanical maintenance. You will learn about the installation, trouble shooting, and repairing of modern industrial machinery, and how to work alongside other maintenance workers and engineers. The highly technological, integrated and automated manufacturing facilities of today's modern workplace demand advanced training that we provide. Employers are looking for technicians who have strong interdisciplinary training and skillsets.

Upon completion of this program, graduates will be able to:

- Describe the basic principles of hydraulic and pneumatic systems.
- Safely perform basic welding practices used in industrial applications.
- Apply scientific principles to electrical systems.
- Describe the basic principles of refrigeration systems.
- Describe the various mechanical components used in modern machinery.
- Demonstrate safe practices and procedures to avoid common industrial hazards.
- Interpret electrical and mechanical prints and other documentation.

CIP: 150403

Fall Semester (14 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Energy Technology, A.A.S.

Major Code: 265

The Energy Technology program is designed to prepare students for employment in the natural gas drilling, gathering and field operations industry including Marcellus and Utica Shales and to give students a basic understanding of renewable energy technologies. The program provides a strong foundation in oil and gas exploration, production, including development in the Appalachian Basin. Students also learn about alternative energy technologies and their applications including geothermal, solar and wind. Laboratory classes include a strong emphasis on hands-on experiences. Safe work practices are emphasized and several industry certifications are embedded within the curriculum.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Follow conventional industrial safety and communication practices
- Perform procedures and tasks commonly used in exploration for and production of oil and gas in the Appalachian Basin
- Explain considerations that go into natural gas processing
- Use various instruments and equipment to measure fluids, temperature, flows, and pressures
- Apply principles of hydraulic, pneumatic, and electrical systems to equipment in the energy industry
- Explain alternative energy technologies and applications

The program qualifies graduates for employment in such positions as field technicians, pumpers, drilling technicians, measurement technicians, compressor operations, and many others. As the energy transition continues, an understanding of alternative energy system operations will become increasingly important.

Job Titles: Board Operator, Gauger, Hydrotreater Operator, Outside Operator, Pumper, Unit Operator

Wage and Employment Trends:

- Median Wages (2016) \$27.15 hourly, \$56,470 Annual
- Employment (2016): 15,000 Employees
- Projected growth (2016-2026): Much faster than average (15% or higher)
- Potential Industry Credentials Earned: SafeLands USA, OSHA 30 hour General Industry completion card, CPR/First Aid, Compressor Basic Training, Well Control Awareness Training, FEMA Introduction to Hazardous Materials Training

CIP Code: 150903

First Year

Fall Semester (15 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- NRG 101 - Energy Transition Technology & Applications **1 Credit(s)**
- PTRM 104 - Production Technology with Hands-On Lab **3 Credit(s) ***

Spring Semester (15/16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

- MATH 101 - Intermediate Algebra **3 Credit(s)**
or
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**

- PTRM 150 - Drilling/Completion Operations **3 Credit(s)**

Second Year

Fall Semester (15/16 Credits)

- PSYC 155 - Human Relations **3 Credit(s)**
- PTRM 206 - Applied Chemistry for Petroleum with Hands-on Lab **4 Credit(s) ***
- PTRM 208 - Artificial Lift with Hands-on Lab **3 Credit(s) ***

- MEC 115 - Instrumentation I: Mechanical **3 Credit(s)**
or
- PTRM 217 - Petroleum Geology of Appalachia **2 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**

Spring Semester (15 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab **2 Credit(s) ***
- PTRM 210 - Introduction to Midstream Gas Operations **3 Credit(s) ***
- PTRM 211 - Well Control with Hands-on Lab **3 Credit(s) ***
- PTRM 213 - Gas Measurement with Hands-on Lab **2 Credit(s) ***
- PTRM 235 - Petroleum Technology Seminar **2 Credit(s)**
or
- PTRM 120 - Internship/Cooperative Work-Based Experience **2 Credit(s)**
- RAH 250 - Alternative Energy Concepts **2 Credit(s)**

Total Credits (60-62)

*Courses with a hands-on lab component

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Energy Technology, C.A.S.

Major Code: 264

The Energy Technology C.A.S. program is designed to prepare students for employment in the natural gas drilling, gathering and field operations industry including Marcellus and Utica Shales and to give students a basic understanding of renewable energy technologies used on the well site. The program provides a strong foundation in oil and gas exploration, production, including development in the Appalachian Basin. Laboratory classes include a strong emphasis on hands-on experiences. Safe work practices are emphasized and several industry credentials are embedded within the curriculum.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Follow conventional industrial safety and communication practices
- Perform procedures and tasks commonly used in exploration for and production of oil and gas in the Appalachian Basin
- Identify basic considerations that go into natural gas processing
- Use various instruments and equipment to measure fluids, temperature, flows, and pressures
- Apply principles of hydraulic, pneumatic, and electrical systems to equipment in the energy industry
- Explain alternative energy technologies and applications as applied to well sites

The program prepares graduates for employment as field technicians, pumpers, drilling technicians, and other technical positions related to the energy industry.

Job Titles: Board Operator, Gauger, Hydrotreater Operator, Outside Operator, Pumper, Unit Operator

Wage and Employment Trends:

- Median Wages (2016) \$27.15 hourly, \$56,470 Annual
- Employment (2016): 15,000 Employees
- Projected growth (2016-2026): Much faster than average (15% or higher)
- Potential Industry Credentials Earned: SafeLands USA, OSHA 30 hour General Industry completion card, CPR/First Aid, Compressor Basic Training, Well Control Awareness Training, FEMA Introduction to Hazardous Materials Training

CIP Code: 150903

Fall Semester (15 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- NRG 101 - Energy Transition Technology & Applications **1 Credit(s)**
- PTRM 104 - Production Technology with Hands-On Lab **3 Credit(s) ***

Spring Semester (15/16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

- MATH 101 - Intermediate Algebra **3 Credit(s)**
or
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**

- PTRM 150 - Drilling/Completion Operations **3 Credit(s)**

Total Credits (31)

*Course has a hands-on lab component.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Health Information Technology, A.A.S.

Major Code: 262

The Health Information Technology, A.A.S. is a selective admission program designed as a two program year one introduces the students to courses such as medical terminology, electronic health records, business math, anatomy and physiology, diagnostic and procedural medical coding, and reimbursement methodologies. The second year will delve deeper into the responsibilities of a health information management professional. Providing a deeper concentration of medical coding with intermediate and advanced medical coding courses. The curriculum provides a solid background in various aspects of health records management, collection and dissemination of health data, revenue cycle and reimbursement procedures, fraud and abuse, confidentiality and privacy, medical coding, informational governance, and statistical outcomes.

Program Outcomes:

- Demonstrate knowledge of entry-level procedures related to health information management, medical reimbursement, and the revenue cycle.
- Apply anatomy & physiology and medical terminology to medical billing and coding procedures.
- Demonstrate knowledge of data content, structure and information governance.
- Demonstrate knowledge of the legal process related application of HIPAA and to the access, use, disclosure, privacy and security of health care documentation.
- Demonstrate ability to utilize and analyze patient data, and demonstrate knowledge of revenue cycle management.
- Demonstrate leadership and organizational management skills.
- Demonstrate proficiency in the application of diagnostic and procedural coding to support reimbursement in multiple healthcare settings.

CIP Code: 510707

First Year

Fall Semester (14 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**
- MBC 100 - Revenue Cycle Management I **3 Credit(s)**

Spring Semester (16 Credits)

- AHS 108 - Disease Process Applications **3 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MBC 110 - Physician and Hospital Coding **3 Credit(s)**
- MBC 125 - Revenue Cycle Management II **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- HIT 100 - Introduction to Health Information Technology **2 Credit(s)**
- HIT 145 - HIT Professional Practice Experience (PPE) I **2 Credit(s)**
- HIT 150 - Health Record Documentation **3 Credit(s)**
- HIT 235 - Intermediate Medical Coding **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)** **

Spring Semester (14 Credits)

- HIT 240 - Quality Management and Performance Improvement **3 Credit(s)**
- HIT 260 - Advanced Medical Coding **3 Credit(s)**
- HIT 263 - Health Information Technology Seminar **2 Credit(s)**
- HIT 265 - HIT Professional Practice Experience (PPE) II **3 Credit(s)**
- SS - Social Science Core Elective **3 Credit(s)**

Total Credits (60)

**Students who plan to transfer to a four year institution should take SPCH 105.

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Hospitality and Tourism, C.A.S.

Major Code: 321

The certificate will prepare students for entry level positions in the hospitality industry. Completion of this certificate provides the skills needed to meet personal and professional goals in the chosen hospitality field. Students will need to complete a field experience as part of this program.

Graduates can expect obtain employment positions as assistant restaurant food service, assistant hotel managers, conference planners and managers in areas related to travel and tourism.

Hospitality CAS Program Outcomes

- Identify and compare various components of the hospitality industry and specify the career challenges and trends.
- Understand the basic workings of a manger in the hospitality industry.
- Understand the relationship between cost and revenue and how to be prepared for unique challenges in the industry.
- Explain governmental regulations and laws on the local, state, and federal level. How do they impact hospitality directly and indirectly.
- Apply communication skills through discussion of sales promotion, advertising, and public relations policies by researching behavior of the hospitality industry.

CIP Code: 520904

Fall Semester (14 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 100 - Introduction to Business **3 Credit(s)**
- CART 121 - Food Service Sanitation and Safety **2 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (16 Credits)

- CART 125 - Essentials of Dining Services **3 Credit(s)**
- CART 245 - Menu, Purchasing and Cost Control **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- HAT 150 - Meeting and Convention Planning **3 Credit(s)**
- HAT 155 - Hotel/Lodging Mgt and Practicum **4 Credit(s)**

Total Credits 30

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Human Services, A.A.S.

Major Code: 324

This program is designed for students who want to prepare for careers in human service agencies. It also is for employees of such agencies who wish to obtain new knowledge or skills. Students will use the knowledge and skills of

the social sciences to learn more about human behavior, especially as it relates to assessing and designing interventions for maladaptive or problem behaviors in children, adolescents, adults and the elderly.

In addition to General Education Outcomes, students successfully completing and receiving a Human Services A.A.S. degree should be able to:

- Explain history, concepts, theories and strategies used in psychology & human services delivery systems.
- Explain issues related to the needs of different types of clients based on cultural, family, and individual factors.
- Demonstrate professionalism and apply discipline-based ethics in clinical settings by successfully completing an internship.
- Apply the skills, techniques, strategies, and abilities needed for assessing, treatment planning, and therapeutic communication with clients in individual or group settings
- Apply the skills and abilities needed to be objective, understanding, and empathetic toward individuals from diverse backgrounds and ability levels.

Graduates of this program can expect to be employed in human services agencies in positions which do not require bachelor's degrees as occupational, social skills or basic living skills trainers or assistants, as behavior specialists, as case aides or caseworkers, or as mental health or crisis intervention technicians. To become licensed social workers, certified addictions counselors or similar professionals, students with the associate degree will need to continue their education by earning more advanced degrees at other colleges or universities. Students who plan to complete a bachelor's degree before seeking employment should consider earning an Associate in Arts degree with a concentration in Human Services rather than an Associate in Applied Science degree in Human Services in order to obtain credits in more courses that will easily transfer to four-year institutions.

The employment outlook for these jobs currently is average to above average but is dependent upon changing needs within the local region, other regions and the nation.

Salaries are moderately low compared to other fields. Pay depends on the location and type of agency and on the prospective employee's level of education and work experience.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

Job Titles: Case Manager, Child Protective Services Worker, Family Protection Specialist, Family Service Worker, Youth Services Specialist, Direct Services Worker

Wage and Employment Trends:

- \$20,000 to \$28,000 (US Dept of Labor, 2017)
- 5% growth in the next seven years (US Dept of Labor, 2017)

CIP Code: 440701

First Year

Fall Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15-17 Credits)

- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- MATH - Restricted Math Core **3(4) Credits ***
- PSYC 200 - Abnormal Psychology **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- Restricted Elective **3 Credit(s) ##**
SCI - Science Core Requirement **3(4) Credit(s)***

Spring Semester (15 Credits)

- Elective - can be any college-level course **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s) #**
or
- ENG 115 - Technical Writing **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- HS 208 - HS Field Experience (Internship) **3 Credit(s) ****
- Restricted Elective **3 Credit(s) ##**

Total Credits (61-63)

#Recommended for transferring students

Choose 6 hours of restricted electives from: ART 256, CRJ 245, PSYC 155, PSYC 210, PSYC 218 or SS 207.

* Restricted math core should be chosen only from MATH 109, MATH 108 or MATH 210. Students who plan to transfer should take MATH 108 or MATH 210 to maximize transferability into bachelor's degree programs in social work or psychology.

** Before registering for the Field Placement, students must apply to and be accepted by an approved social services agency. There is also a class requirement of two hours every other week.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Industrial Maintenance Technology, C.A.S.

Major Code: 243

This program is designed to provide the technical knowledge and skills necessary for entry-level maintenance personnel positions in many types of businesses and industries. Students are prepared to make a rapid transition into gainful, productive employment.

Upon completion of this program, graduates will be able to:

- Demonstrate basic knowledge of welding
- Demonstrate basic knowledge of hydraulic systems
- Demonstrate basic knowledge of pumps and piping systems
- Demonstrate basic knowledge of electrical systems
- Recognize common industrial hazards
- Interpret basic industrial prints

Graduates from this program can expect to obtain employment in positions such as welders, pipefitters, heating technicians, refrigeration technicians, and facility maintenance workers.

Graduates are employed by unions, industrial, chemical and electrical plants, industrial centers, light and heavy commercial centers, and health care facilities. The employment outlook for industrial maintenance technicians is excellent. There are job opportunities in Industrial Maintenance throughout the region and across the United States.

CIP Code: 470399

Fall Semester (15 hours)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- Math Requirement* **3 Credit(s)**
- RAH 100 - Basic Refrigeration I **3 Credit(s)**

Spring Semester (16 credits)

- APT 112 - Introduction to Welding **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- English Requirement** **3 Credit(s)**

- HPE 110 - CPR and First Aid **1 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**
- MEC 232 - Pumps and Piping **3 Credit(s)**

Total Credits 31

*Choose from MATH 101 or MATH 108 or MATH 113 or MATH 279 or MATH 280 or MATH 281

**Any college level English will fulfill this requirement.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Licensed Practical Nursing (LPN), C.A.S

Licensed Practical Nursing (LPN), C.A.S.

Major Code: 162M

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Allied Health Selection and Admission sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

LPN is a profession with a comprehensive body of knowledge and skills. Practical nurses practice the art and science of nursing, providing compassionate, comprehensive, and competent care to patients of all ages. LPNs are essential members of the healthcare team who work under the direct supervision of registered professional nurses to perform their duties.

In addition to General Education Outcomes, graduates will be prepared to:

1. Provide competent, safe, quality, patient-centered nursing care to patients with predictable healthcare needs through a supervised, directed practice using professional standards, best practices, and available evidence. (**Safe, Patient-Centered Care**)
2. Participate as an advocate for patients and promote dignity, respect, and privacy while using ethical and legal principles. (**Caring Behaviors**)
3. Interact and collaborate with patients and members of the healthcare team using effective communication and information technology. (**Communication**)
4. Provide competent, safe, quality, patient-centered nursing care using critical thinking skills and clinical judgment. (**Clinical Judgment**)
5. Participate in collaborative relationships with patients and members of the interdisciplinary healthcare team to assist in planning, delivery, coordination, and improvement of patient-centered care. (**Collaboration**)

6. Assist in the coordination of the care of diverse patients in a variety of healthcare settings using professional behaviors.(**Leadership**)

CIP CODE: 51.3901

First Semester

- LPN 110 - Fundamentals and Foundations of Practical Nursing **8 Credit(s)**
- LPN 111 - Integrated Human Sciences **2 Credit(s)**
- LPN 112 - Pharmacology for Practical Nurses **2 Credit(s)**

Second Semester

- LPN 121 - Medical-Surgical Nursing I **7 Credit(s)**
- LPN 122 - Nursing & Healthcare I- Practice, Issues & Trends **2 Credit(s)**
- LPN 123 - Mental Health Concepts/ Geriatric Nursing **4 Credit(s)**

Third Semester

- LPN 130 - Medical-Surgical Nursing II **7 Credit(s)**
- LPN 131 - Maternal-Child Nursing **4 Credit(s)**
- LPN 132 - Nursing and Healthcare II: Practice, Issues, Trends and NCLEX Review **3 Credit(s)**

Total Credits (39)

A minimum of a "C" grade is required in all courses to remain in the program and graduate.

IMPORTANT PRE-REQUISITE REQUIREMENT INFORMATION:BIO 114 , BIO 115 , ENG 101 , AHS 103 and ORNT 090 are all pre-requisite courses and as well as graduation requirements for the LPN Program. See your advisor to determine if you have met this requirement.

LPN to RN Bridge, A.A.S. Program

MAJOR CODE: 247

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Allied Health Selection and Admission sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

The LPN to RN Bridge program is a hybrid/in seat program that focuses on the role development and transition of the LPN into the role of the RN. This program is aimed at LPNs who wish to further their education and earn an Associate Degree in Nursing (Nursing, A.A.S.) while continuing to work as a LPN.

The LPN to RN Bridge program starts in the summer semester with a 12-week LPN to RN Transition course, NUR 111. This is a demanding, fast-paced hybrid course which meets one day a week for 12 weeks for online didactic instruction with additional 45 hours of hands-on instruction in the lab, simulation and clinical settings. Students must be able to critically think and learn information in an accelerated manner. Once the student successfully completes the summer semester program of study requirements, the student will matriculate into the second year of the Associate Degree Nursing Program (See Nursing, A.A.S. catalog description). The LPN to RN Bridge Program incorporates courses such as anatomy and physiology, developmental psychology, microbiology, humanities and pharmacology in addition to the required nursing courses across the lifespan.

The LPN to RN Bridge program guides practice within the regulatory framework of professional, ethical, and legal responsibilities of the registered nurse and encourages lifelong learning. The program can be completed over three consecutive semesters. Faculty will use a variety of teaching strategies in the classroom, skills lab, clinical, and simulation lab to promote evidenced based practice and clinical judgement. Upon successful completion of the LPN to RN Bridge program and the achievement of an Associate Degree in Applied Science, the graduate will be able to apply for their RN licensure exam.

Pre-requisites for the program include ENG 101 and BIO 114 or BIO 220, an active unencumbered LPN license and a TEAS Test score of at least 58.

The Registered Nurse works to promote health, prevent disease, provide physical and emotional support to cope with illness and restore health. They provide direct patient care and are advocates and health educators for patients, families, and communities. Nurses are employed in the acute and long term care facilities or hospitals, physician office, home health, community, school, business, industry, and in private settings. They must be physically capable to spend considerable time walking and standing; be able to lift fifty pounds; and be required to mobilize quickly to respond to an emergency. Nurses need emotional stability and a caring philosophy in order to cope with human suffering, emergencies, and stress. Because patients in hospitals and facilities require 24-hour care, nurses in these institutions may work nights, weekends, and holidays.

End of Program Student Learning Outcomes

In addition to General Education Outcomes, graduates will be prepared to:

Human Flourishing Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.

1. Collaborate with the patient or designee to plan and provide nursing care that respects the patient's individual values and needs.

Nursing Judgment Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.

2. Generate safe and effective patient centered care using the nursing process.
3. Incorporate effective communication strategies to reduce risk and injuries in the health care environment.

Professional Identity Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.

4. Create caring relationships with patients and support systems consistent with the ANA Standards of Nursing Practice and the Code of Ethics.
5. Evaluate the utilization of health care system resources to efficiently and effectively manage care.

Spirit of Inquiry Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

6. Integrate current best practices to plan and implement safe and effective patient care.

Nursing education programs include classroom instruction, supervised and precepted clinical experience in hospitals and other health facilities, and community experiences. Students take courses in biological sciences, behavioral sciences, and liberal arts in addition to nursing courses. Students must complete the required nursing courses in the

program on a continuous full-time basis within 2 years or a maximum of 3 years if an interruption in education continuum occurs. The program has a specific application, selection requirements, background and drug screening, standard of progress policies, requirement deadlines and abides by the WV State Board of Registered Nursing Education requirements for nursing education. Contact the Nursing Program Director for additional information. Upon the completion of this basic accredited nursing education and successful completion of the National Council Licensure Exam the student will apply to their selected state for license to practice.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Nursing Program Director.

CIP Code: 513801

Summer Semester (15/16 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
Or
- BIO 225 - AP Health Care II **4 Credit(s)**
- NURS 111 - LPN to RN Transition Course **6 Credit(s)**
- NURS 112 - Clinical Applications in Nursing Practice **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Fall Semester

- BIO 117 - Microbiology **4 Credit(s)**
- NURS 234 - Nursing Concepts of Health and Illness II **9 Credit(s)**

Spring Semester (15 Credits)

- NURS 245 - Professional Nursing and Health Systems Concepts **3 Credit(s)**
- NURS 244 - Synthesis of Nursing Concepts **9 Credit(s)**
Humanities Core Requirement ## 3 Credit Hours

Total Credits (61/62)*

*Approved Prior Learning Assessment accounts for 17-18 credits.

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to the General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements

Medical Assisting, Administrative Medical Assistant, C.A.S.

Major Code: 163

Students selecting the Administrative Medical Assistant, CAS option will be provided training in administrative medical office procedures. Students successfully completing the program can test for the Certified Medical Administrative Assistant credential from the National Healthcareer Association (CMAA-NHA) and are eligible to apply for admission to the Clinical Medical Assistant Associate in Applied Science Degree Program at WVNCC.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

- Identify and differentiate the roles of the various members of the health care team.
- Differentiate administrative competencies and clinical competencies for the medical assistant post patient demographic and clinical information to the electronic health record.
- Produce medical insurance claims with an appropriate diagnostic and procedural coding according to the policies of private, state, federal and Workers' Compensation agencies.
- Demonstrate medical financial management skills, including, patient data entry, billing, insurance submission and standard financial accounting reports.
- Comprehend legal and ethical issues related to a career as a member of the health care team.
- Demonstrate knowledge of compliance related to HIPAA and OSHA Standards.
- Demonstrate an understanding of professionalism in the medical office setting.
- Demonstrate therapeutic communication techniques.

Occupations available for students completing program requirements include the following: medical office receptionist, medical office assistant, administrative medical assistant, and Certified Medical Administrative Assistant, and hospital admissions clerk. Graduates of this program can expect to obtain entry-level employment primarily in ambulatory care settings. According to the U.S. Department of Labor's Occupational Outlook, employment of administrative medical office employees is projected to grow 10 percent from 2014 to 2024.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board, and agencies which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Health Science Program Director.

Job Titles: Certified Medical Administrative Assistant (CMAA), Medical Office Assistant, Administrative Medical Assistant

Wage and Employment Trends:

- Annual Range Regionally \$19,950 to \$22,130 (Onet, 2017)
- 262,100 Projected National Growth Nationally (Onet, 2017)
- Certification Option: Certified Medical Administrative Assistant (CMAA) through National Healthcareer Association (NHA)

CIP Code: 510710

Fall Semester (16 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- AHS 108 - Disease Process Applications **3 Credit(s)**

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MAS 150 - Introduction to Medical Administrative Procedures **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (14 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MAS 125 - Basic Diagnostic and Procedural Coding **2 Credit(s)**
- MAS 151 - Medical Financial Management **2 Credit(s)**
- MAS 153 - Medical Insurance and Reimbursement Methodologies **2 Credit(s)**

Total Credits (30)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Medical Assisting, Clinical Medical Assistant, A.A.S.

Major Code: 161

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Admissions/Registration and Policies sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Students applying to the Clinical Medical Assistant program, must have successfully completed the Medical Assisting: Administrative Medical Assistant Certificate program.

Students selected for admission to the Clinical Medical Assistant Program will be trained in clinical procedures for entry-level employment in medical ambulatory care settings. Graduates are prepared for employment as "competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and effective (behavior) learning domains" as required in AAMA/CAAHEP accreditation standards. Campus lab preparatory experiences and a 160-hour supervised and unpaid practicum afford students the opportunity for observation and hands-on training in outpatient medical procedures within the scope of practice of the Medical Assistant.

Upon completion of the program, graduates will be able to:

- Graduates will be prepared as entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains through the administrative, clinical and general competencies as required by MAERB and taught by qualified faculty.
- Graduates will be prepared as multi-skilled medical assistants qualified to provide administrative services and clinical patient care while displaying professionalism during their interactions with the college community and practicum opportunities.

- Graduates will be prepared to complete required competencies and national certifications to become Certified Medical Assistants.
- Graduates will demonstrate general education outcomes specific to the program while displaying general abilities in communication, critical thinking, and problem solving as utilized in the medical assisting profession.

Occupations available for students completing program requirements include Certified Medical Assistant positions primarily in ambulatory care settings. According to the U.S. Department of Labor's Occupational Outlook, employment of medical assistants is projected to grow 23 percent from 2014-2024, much faster than the average for all occupations. Medical Assisting is projected to be one of the fastest growing occupations due to the increasing numbers of group practices, clinics, and other health care facilities, especially for multi-skilled medical assistants trained in both administrative and clinical duties.

The WVNCC Medical Assisting: Clinical Medical Assistant, A.A.S Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB). Commission on Accreditation of Allied Health Education Programs, 9355 - 113th St. N. #7709, Seminole, FL 33775, Phone: 727-210-2350, Fax: 727-210-2354 www.caahep.org. Graduates of this program can test for the Clinical Medical Assistant credential from the American Association of Assistants (CMA/AAMA).

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Health Science Program Director.

Job Titles: Clinical Medical Assistant, Certified Clinical Medical Assistant

Wage and Employment Trends:

- Annual Range Regionally \$22,000 to \$26,000 (Onet, 2017)
- Projected job growth nationally 262,100 (Onet, 2017)
- Certification Options: Clinical Medical Assistant (CMA) through American Association of Medical Assistants (AAMA) or Certified Clinical Medical Assistant (CCMA) through National Healthcareer Association (NHA)

CIP Code: 510801

First Year

Fall Semester (16 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- AHS 108 - Disease Process Applications **3 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MAS 150 - Introduction to Medical Administrative Procedures **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (14 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MAS 125 - Basic Diagnostic and Procedural Coding **2 Credit(s)**
- MAS 151 - Medical Financial Management **2 Credit(s)**
- MAS 153 - Medical Insurance and Reimbursement Methodologies **2 Credit(s)**

Second Year

Fall Semester (14 Credits)

- MAS 201 - Clinical Medical Assistant I **3 Credit(s)**
- MAS 202 - Clinical Medical Assistant Skills Lab **2 Credit(s)**
- MAS 220 - Medical Assisting Seminar I **3 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (16 Credits)

- MAS 210 - Clinical Medical Assistant II **3 Credit(s)**
- MAS 211 - Clinical Medical Assistant Practicum **4 Credit(s)**
- MAS 221 - Medical Assisting Seminar II **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Medical Billing and Coding, C.A.S.

Major Code: 261

Students selecting the Medical and Coding, C.A.S. program will be provided training in general and career-specific courses including medical terminology, anatomy and physiology, business math, medical insurance, diagnostic and procedural coding, computerized billing, accounts receivable, and reimbursement methodologies. Upon completion, students will sit for a nationally approved entry-level coding credential.

- Demonstrate knowledge of entry-level procedures related to health information management, medical reimbursement, and the revenue cycle.
- Demonstrate ability to select diagnostic and procedural codes with data extracted from the medical record.
- Demonstrate the ability to complete insurance claims providing all information required by insurance carriers.

- Demonstrate the ability to apply knowledge of accounts receivable processes.
- Complete work in the computerized billing system.
- Demonstrate knowledge of the application of legal and ethical standards to all aspects of the medical office.
- Demonstrate knowledge of application of HIPAA to all aspects of the medical office.
- Apply anatomy & physiology and medical terminology to medical billing and coding procedures.

Students successfully completing the Medical Billing and Coding, C.A.S. program qualify to apply to the Health Information Technology, A.A.S. program.

CIP Code: 510713

Fall Semester (15 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MBC 100 - Revenue Cycle Management I **3 Credit(s)**
- MBC 110 - Physician and Hospital Coding **3 Credit(s)**

Spring Semester (15 Credits)

- AHS 108 - Disease Process Applications **3 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**
- MBC 125 - Revenue Cycle Management II **3 Credit(s)**

Total Credits (30)

A minimum grade of "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Medical Laboratory Technology, A.A.S.

Major Code: 248

The Medical Laboratory Technology program prepares its graduates for employment in hospital, urgent care, physicians' office, research and industry laboratory settings. Examination and analysis of body fluids, tissues and cells play a crucial role in physician's ability to diagnose and treat disease. The medical laboratory technology program trains students to work in various areas of the clinical laboratory, including hematology, urinalysis, immunohematology

(blood bank), microbiology, chemistry, and phlebotomy. Students collect blood samples, work with state of the art clinical laboratory instrumentation, perform clinical and microscope analysis of urine, cross-match blood for transfusion, identify abnormal blood cells under the microscope and identify infectious bacteria-causing infection in various body locations. Upon completion of the accredited program, graduates will possess an associate of applied science degree and are eligible to take the American Society of Clinical Pathologists (ASCP) Board of Certification national certifying examination. Those passing the examination and certified as medical laboratory technicians (MLT-ASCP).

Program Learning Outcomes:

1. Interpret patient and quality control test results for normal, abnormal, and critical values and take appropriate follow up action when necessary.
2. Operate and maintain laboratory instrumentation in the Phlebotomy, Hematology, Immunohematology, Chemistry, Microbiology, Immunology/Serology, and Coagulation areas of the clinical laboratory.
3. Demonstrate the clinical significance of laboratory results in the diagnosis and treatment of disease.
4. Interpret and recognize the aspects of a laboratory quality assurance program.
5. Communicate sufficiently to meet the needs of the laboratory and patient care.
6. Successfully pass a National Certification Exam (ASCP) in Medical Laboratory Technician.

CIP Code: 51.1004

First Year

Fall Semester (15 Credits)

- BIO 220 - AP Health Care I **4 Credit(s)**
- MLAB 111 - Introduction to Clinical Laboratory Science **2 Credit(s)**
- MLAB 112 - Laboratory Analysis and Calculations **2 Credit(s)**
- MLAB 131 - Introduction to Hematology **2 Credit(s)**
- MLAB 132 - Urinalysis and Body Fluids **2 Credit(s)**
- MLAB 133 - Hematology I/Urinalysis Clinical Practicum **3 Credit(s)**

Spring Semester (14 credits)

- BIO 225 - AP Health Care II **4 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MLAB 135 - Advanced Hematology and Hemostasis **2 Credit(s)**
- MLAB 140 - Immunohematology Concepts and Procedures **2 Credit(s)**
- MLAB 145 - Hematology II and Immunohematology Clinical Practicum **3 Credit(s)**

Summer Semester (3 Credits)

- MATH 210 - Introduction to Statistics **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- CHEM 100 - Intro to General, Organic, and Biochemistry I **4 Credit(s)**
- MLAB 213 - Clinical Microbiology, Immunology, and Serology **9 Credit(s)**

Spring Semester (17 credits)

- CHEM 101 - Intro to General, Organic, and Biochemistry II **4 Credit(s)**
- MLAB 221 - Clinical Chemistry **10 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**

Total Credits (63)

Total Credits (63)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Nursing, A.A.S.

Major Code: 250

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Allied Health Selection and Admission sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

The Registered Nurse works to promote health, prevent disease, provide physical and emotional support to cope with illness and restore health. They provide direct patient care and are advocates and health educators for patients, families, and communities. Nurses are employed in the acute and long term care facilities or hospitals, physician office, home health, community, school, business, industry, and in private settings. They must be physically capable to spend considerable time walking and standing; be able to lift fifty pounds; and be required to mobilize quickly to respond to an emergency. Nurses need emotional stability and a caring philosophy in order to cope with human suffering, emergencies, and stress. Because patients in hospitals and facilities require 24-hour care, nurses in these institutions may work nights, weekends, and holidays.

End of Program Student Learning Outcomes

In addition to General Education Outcomes, graduates will be prepared to:

Human Flourishing Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.

1. Collaborate with the patient or designee to plan and provide nursing care that respects the patient's individual values and needs.

Nursing Judgment Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.

2. Generate safe and effective patient centered care using the nursing process.
3. Incorporate effective communication strategies to reduce risk and injuries in the health care environment.

Professional Identity Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.

4. Create caring relationships with patients and support systems consistent with the ANA Standards of Nursing Practice and the Code of Ethics.
5. Evaluate the utilization of health care system resources to efficiently and effectively manage care.

Spirit of Inquiry Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

6. Integrate current best practices to plan and implement safe and effective patient care.

Nursing education programs include classroom instruction, supervised and precepted clinical experience in hospitals and other health facilities, and community experiences. Students take courses in biological sciences, behavioral sciences, and liberal arts in addition to nursing courses. Students must complete the required nursing courses in the program on a continuous full-time basis within 2 years or a maximum of 3 years if an interruption in education continuum occurs. The program has a specific application, selection requirements, background and drug screening, standard of progress policies, requirement deadlines and abides by the WV State Board of Registered Nursing Education requirements for nursing education. Contact the Nursing Program Director for additional information. Upon the completion of this basic accredited nursing education and successful completion of the National Council Licensure Exam the student will apply to their selected state for license to practice.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Nursing Program Director.

Pre-requisites for the program include ENG 101 and a TEAS Test score of at least 58.

CIP Code: 513801

First Year

Fall Semester (14/15 Credits)

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
Or
- BIO 220 - AP Health Care I **4 Credit(s)**
- NURS 132 - Drug and Dosage Calculations I **1 Credit(s)**
- NURS 133 - Health Assessment and Diagnostics **2 Credit(s)**
- NURS 134 - Introduction to Nursing Concepts **8 Credit(s)**

Spring Semester (16/17 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
Or
- BIO 225 - AP Health Care II **4 Credit(s)**
- NURS 112 - Clinical Applications in Nursing Practice **3 Credit(s)**
- NURS 142 - Drug and Dosage Calculations II **1 Credit(s)**
- NURS 144 - Nursing Concepts of Health and Illness I **9 Credit(s)**

Second Year

Fall Semester (16 Credits)

- BIO 117 - Microbiology **4 Credit(s)**
- NURS 234 - Nursing Concepts of Health and Illness II **9 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Spring Semester (16 Credits)

Humanities Core Requirement ## **Credits / Units: 3**

- NURS 244 - Synthesis of Nursing Concepts **9 Credit(s)**
- NURS 245 - Professional Nursing and Health Systems Concepts **3 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Occupational Development, A.A.S.

Northern recognizes training from approved U.S. Department of Labor Bureau of Apprenticeship Training (BAT) programs towards an associate degree. Required courses of study for eligible programs are determined by agreements between the College and the apprenticeship program. Individuals must be enrolled in or have completed the approved apprenticeship program in order to be eligible to enroll in this program.

Those BAT apprenticeship programs which are currently available for the occupational development program are:

- Building and Construction Trades with the Upper Ohio Valley Building and Construction Trades Council AFL-CIO. **Major Code: 403**
- Child Development Specialist with Northern Panhandle Apprenticeship Council. **Major Code: 404**
- Plumbers and Steamfitters with Wheeling Plumbers and Steamfitters Joint Apprenticeship Committee. **Major Code: 402**

Upon completion of the program, graduates will be able to:

- Effectively use both written and verbal communication skills in the workplace.
- Demonstrate knowledge of interpersonal skills and their application in the workplace.
- Apply principles of mathematics and science to contemporary issues in society and in the workplace.

- Demonstrate an understanding of technical skills required in the specific occupational area through the successful completion of an approved apprenticeship training program.

There are three components to the program:

1. General education courses are offered by the College.
2. Technical specialty courses, including classroom instruction required by the specific apprenticeship program, which may be supplemented by college courses in some cases.
3. On-the-job training is part of the apprenticeship program and is awarded credit under agreements negotiated by the partners.

Specific agreements, which list course requirements for each component are available from the College Counselors or the Vice President of Economic and Workforce Development.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

CIP Code: 309999

General Education Core Requirements

Associate in Applied Science General Education Requirements

Patient Care Technician, C.A.S.

Major Code: 260

The Patient Care Technician is a program which prepares a skilled patient care professional to perform basic medical services, help those who are ill or injured, and assist individuals who need help with daily activities. There is a growing need for patient care throughout all segments of the health care industry. Patient care technicians work under the supervision of a provider and have direct patient contact as a member of the health care team. Employment opportunities may include assisted living facilities, Urgent Care Clinics, Community Health Agencies, Home Health Services, Hospitals, Laboratories, Long-term Care Facilities, Medical Centers, Nursing Homes, Physical Therapy Departments, Physician Offices, and Rehabilitation Centers. Students learn from instructors who work in the health care field and understand what it takes to provide top quality health care. Patient care students learn skills in a medical lab on campus which replicates the medical care environment. Students will complete an extensive preceptor externship in a health care facility under the indirect supervision of faculty. The Program has an advisory board of health care professionals that guide's curriculum so the students learn the latest skills health care companies expect of graduates.

In addition to General Education Outcomes, upon completion of this program, graduates will:

- Be eligible to graduate with a Certificate of Applied Science (CAS) in Patient Care Technician.
- Be eligible to sit for Patient Care Technician certification through the National Healthcareer Association (NHA).
- Be eligible to sit for separate Home Care Worker Exam.
- Be Basic Life Support (BLS) certified (provided within the course).
- Be eligible to obtain employment at a Health Care Facility or transfer/matriculate to an Associate or Bachelor Degree Program in Health Care.

Job Titles: Patient Care Technician (PCT), Direct Care Worker, Phlebotomist, EKG Technician

Wage and Employment Trends:

- \$25,710 Annual (2015)
- 1,492,000 Employees (2014)

- Much Faster than Average Projected Growth (14% or higher between 2017-2024)
- National Certification Options: Patient Care Technician, Phlebotomist, EKG Technician

CIP Code: 513902

Fall Semester (15 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- PCT 101 - Patient Care Technician I **5 Credit(s)**
- Restricted Electives **3 Credit(s)** *

Spring Semester (14/16 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- MATH - Math Core Requirement **3(4) Credit(s)** **
- PCT 151 - Patient Care Technician II **6 Credit(s)**
- Electives **2(4) Credit(s)** ***

Total Credits (30)

*Restricted Electives: SPCH 101, SPCH 105, CIT 117, PSYC 105

**Math Core Requirement: MATH 108, MATH 115

***Electives: Math core and electives must total at least 6 credit hours.

A minimum of a "C" grade is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Pre-Engineering, A.S.

Major Code: 246

This degree is designed to prepare engineering students by building foundational engineering skills. This program is to prepare qualified students to transfer into four year engineering programs.

Pre-Engineering outcomes:

1. Apply principles of engineering, science, and mathematics to identify, formulate, and solve complex engineering problems.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Make informed judgments based on ethical and professional responsibilities in engineering situations with consideration for the impact of engineering solutions in global, economic, environmental, and societal context.
4. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
5. Draw conclusions based on developing and conducting appropriate experimentation, analysis and interpretation of data and using engineering judgment.

CIP Code 140102

Semester One (15 Credits)

- CHEM 108 - General Chemistry I **4 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s) ***
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 110 - Pre-Calculus Mathematics **5 Credit(s)**

Semester Two (15 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
or
- CHEM 109 - General Chemistry II **4 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- ENGR 100 - Introduction to Engineering Applications **3 Credit(s)**
- MATH 279 - Calculus I **5 Credit(s)**

Semester Three (16 Credits)

- ENGR 101 - Engineering Problem Solving I **2 Credit(s)**
- MATH 280 - Calculus II **4 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
or
- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- PHYS 120 - Calculus-Based Physics I **4 Credit(s)**
- Humanities Core **3 Credit(s)**

Semester Four (16 Credits)

- CIT 222 - Technology Ethics **3 Credit(s)**
- CIT 232 - Introduction to Programming Logic **3 Credit(s)**

- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENGR 102 - Engineering Problem Solving II **3 Credit(s)**
- MATH 281 - Calculus III **4 Credit(s)**
or
- PHYS 121 - Calculus-Based Physics II **4 Credit(s)**

Total Credits (62)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

NOTE: A grade of "C" or higher is required in all courses for transfer to some institutions.

*ECON 105 is required for the Industrial Engineering Track at WVU.

General Education Core Requirements

Associate in Science General Education Core Requirements

Psychology 2+2 to WU, A.A.

Transfer to Wheeling University

Major Code: 165

Note: The "2+2" term is used to refer to a transfer agreement through which a student completes an Associate degree at one institution and finishes a Bachelor degree at another institution. Due to individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in 2 (Associate) or 4 (Bachelor) years. The term "2+2" does not imply a guarantee that a student will be able to complete all requirements in 4 years.

Further, 2+2 articulation agreements contain very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not usually be considered or approved to allow a student to graduate under a 2+2 program.

Students completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WU, they will receive a Bachelor of Science Degree in Psychology.

In addition to the WVNCC courses, applicants for admission to WU need to have an overall grade point average of 2.3 and meet other admissions requirements of WU to be eligible under the 2+2 program.*

In addition to General Education Outcomes, students successfully completing and receiving an A.A. degree under the 2+2 agreement with WU Psychology should be able to:

- Demonstrate knowledge of the history of the field of psychology and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in psychology.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the psychology profession.

- Demonstrate knowledge of how social, cultural, family, and individual factors influence needs and affect the delivery of psychological services.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization, and interest in the profession.

Students are encouraged to meet with a member of the Psychology faculty at WU early in their program of study at WVNCC to obtain information and counseling concerning the Psychology program.

Important Note: Students should be aware that the Bachelor of Arts degree in Psychology from WU does not qualify students for any kind of licensure. Students who are interested in becoming licensed social workers, licensed psychologists, or licensed professional counselors have to complete a Bachelor and/or Master's degree in a field that is license eligible. Consult with an academic advisor for questions related to this note.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** +
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)** *
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Elective **3 Credit(s)** ++

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**

or

- BIO 113 - Animal Biology **4 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- HUM - Fine Arts Core requirement **3 Credit(s)** **
- PSYC 210 - Child Development **3 Credit(s)**
- Elective **3 Credit(s)** ++

Spring Semester (15 Credits)

- HUM - Humanities Literature core requirement **3 Credit(s)** ***
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**

Total Credits (62)

* Minimum grade of "B" required for this course. For all other transfer courses, a minimum grade of "C" is required.

** Choose from: ART 150 or MUS 105.

*** Choose from: ENG 200, ENG 201, ENG 210, or ENG 211.

+ Choose from: HIST 100 or HIST 101

++ Although electives may be chosen from any three-credit course, recommended electives include: CIT 117, HS 147, HS 150, HS 210, or PSYC 155.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Psychology with Social Work, A.A. (Transfer to West Liberty University)

Major Code: 345

Note: This program is through a transfer agreement in which a student completes an Associate's degree at one institution and finishes a Bachelor's degree at another institution. Due to individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in two (Associate's) or four (Bachelor's) years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Important Note: Students should be aware that the Bachelor of Sciences degree in Psychology with a Social Work minor from WLU does not qualify students for any kind of licensure. Students who are interested in becoming licensed psychologists, or licensed professional counselors have to complete a Bachelor's and Master's degree in a field that is license eligible at the Master's degree level. Consult with an academic advisor for questions related to this note.

Students completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WLU, they will receive a Bachelor's of Science Degree in Psychology with a Social Work minor.

In addition to the WVNCC courses, applicants for admission to WLU need to have an overall grade point average of 2.0 and meet other program admissions requirements of WLU to be eligible for this program. Students must also complete a separate application for the Department of Psychology and fulfill other program admissions requirements. Students should consult with an advisor and members of the psychology faculty at the transfer institution to check on this and other requirements for admission to the baccalaureate program.*

Students successfully completing and receiving an AA degree under this agreement with WLU in Psychology should be able to:

- Demonstrate knowledge of the history of the psychology and social work profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in psychology and social work.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the psychology and social work professions.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization, and interest in the profession.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**

Spring Semester (15 Credits)

- HIST - History Core Requirement **3 Credit(s)***
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HUM - Humanities Restricted Elective **3 Credit(s)****
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 200 - Abnormal Psychology **3 Credit(s)**

Total Credits (62)

*Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

**Choose from: ART 150 or MUS 105

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Radiography, A.A.S.

Major Code: 148

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Admissions/Registration and Policies sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions

in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

The most familiar use of the x-ray is the diagnosis of broken bones. Today's radiologic technology includes the use of radiation for diagnostic and therapeutic procedures. Imaging techniques that use Ultrasound, Computerized Tomography, and Magnetic Resonance Imaging (MRI) are growing rapidly. Hospitals are the principal employers of radiologic technologists, but new opportunities now exist in clinics, physician offices and Diagnostic Imaging Centers. The United States Department of Labor, Bureau of Statistics indicates that employment for radiologic technologists is expected to grow faster than average through the year 2026.

The West Virginia Northern Community College Radiography Program Goals state that upon successful completion of the program, the graduate will...

1. Demonstrate the competency level & patient care skills & knowledge of an entry-level technologist.
2. Identify the core didactic concepts of an entry-level technologist.
3. Display abilities in critical thinking, & problem-solving skills necessary for professional practice.
4. Develop effective communication skills throughout their career.
5. Exhibit professional values & life-long learning.
6. Be an entry-level functioning technologist in the healthcare community.

*Academic Degree Requirement effective 2015 for primary certification - Eligibility requirements for American Registry of Radiologic Technologists (ARRT) certification in Radiography, Nuclear Medicine Technology, and Radiation Therapy and for the primary pathway to MRI and Sonography will - effective January 1, 2015 - call for candidates to have earned an associate (or more advanced) degree from an accrediting agency recognized by ARRT. ARRT believes that the general education courses required for an academic degree will provide a firm foundation to support the evolving role of the technologist and the lifelong learning necessitated by the increasing rate of technological change. Quantitative and communication skills and understanding of human behavior that are acquired through general education classes are believed by ARRT to have value in continuing to shape professionalism and advancement of a Registered Technologist's role in health care. The degree will not need to be in radiologic sciences, and it can be earned before entering the educational program or after graduation from the program.

** Successful completion of and graduation from the WVNCC Radiography Program will meet the academic degree eligibility requirements for the ARRT certification. WVNCC Radiography Program graduates do NOT have to attend a hospital-based certificate program to receive their A.A.S. degree in Radiography.

Go to www.arrt.org for further details.

Job Titles: Radiographer, Radiologic Technologist (RT), Radiological Technologist, Radiology Technologist, Staff Technologist, X-Ray Technologist, Computed Tomography Technologist (CT Technologist), Mammographer, Mammography Technologist.

Wage and Employment Trends:

- Average Salary \$32,000 (Onet, 2017)
- 8% Projected growth (Onet, 2017)
- Certification Options: ARRT (American Registry of Radiologic Technologists)

CIP Code: 510911

First Year

Fall Semester (16 Credits)

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)**
- RAD 100 - Introduction to Radiography **2 Credit(s)**
- RAD 105 - Radiography I **2 Credit(s)**
- RAD 110 - Radiation Protection/Radiobiology I **2 Credit(s)**
- RAD 115 - Clinical Fundamentals I **1 Credit(s)**
- RAD 120 - Radiography Procedures I **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- RAD 125 - Clinical Practice I **1 Credit(s)**
- RAD 155 - Radiography II **3 Credit(s)**
- RAD 160 - Radiation Protection/Radiobiology II **2 Credit(s)**
- RAD 165 - Clinical Fundamentals II **1 Credit(s)**
- RAD 170 - Radiography Procedures II **3 Credit(s)**

Summer Semester (1 Credits)

- RAD 175 - Clinical Practice II **1 Credit(s)**

Second Year

Fall Semester (14 Credits)

- RAD 195 - Clinical Practice III **1 Credit(s)**
- RAD 205 - Radiography III **3 Credit(s)**
- RAD 210 - Advanced Imaging Modalities **2 Credit(s)**
- RAD 215 - Clinical Fundamentals III **2 Credit(s)**
- RAD 220 - Radiography Procedures III **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (14 Credits)

- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- RAD 225 - Clinical Practice IV **2 Credit(s)**
- RAD 255 - Radiography IV **2 Credit(s)**

- RAD 260 - Radiography Career Prep **3 Credit(s)**
- RAD 265 - Clinical Fundamentals IV **1 Credit(s)**
- RAD 270 - Radiography Procedures IV **3 Credit(s)**

Total Credits (61)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

Students wishing to pursue a bachelor's degree should take MATH 108 or MATH 210.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Radiologic Technology, Degree Completion, A.A.S.

Major Code: 254

West Virginia Northern offers an Associate in Applied Science Degree (AAS) for graduates of accredited Radiologic Technology programs. Students must have successfully completed a hospital-based certificate program* such as the OVMC Radiology Program, the former Wheeling Hospital Radiology Program, Washington Hospital Radiology Program, or any other Joint Review Committee on Education in Radiologic Technology (JRCERT) -accredited certificate program to be eligible to earn an AAS Degree by completing designated courses at West Virginia Northern.

The courses at WVNCC must be completed in addition to the certificate program in order to be eligible to sit for the American Registry of Radiologic Technologists (ARRT) primary certification exam in Radiography.

Students with an ARRT Certification are eligible to receive applicable program credits.

The most familiar use of the X-ray is the diagnosis of broken bones. Today's radiation technology includes the use of radiation for diagnostic and therapeutic procedures. Imaging techniques that use ultrasound, computerized tomography, and magnetic resonance imaging (MRI) is growing rapidly.

Hospitals are the principal employers of radiologic technologists, but new opportunities now exist in clinics, physician offices and Diagnostic Imaging Centers.

* Student must contact the hospital-based program to obtain information regarding specific admission requirements for each hospital-based program.

Please note: Eligibility requirements for ARRT certification in Radiography, effective January 1, 2015 require candidates to earn an associate (or more advanced) degree from an accrediting agency recognized by ARRT. ARRT believes that the general education courses required for an academic degree provides a firm foundation to support the evolving role of the technologist and the lifelong learning necessitated by the increasing rate of technological change. Quantitative and communication skills and understanding of human behavior that are acquired through general education classes are believed by ARRT to have value in continuing to shape professionalism and advancement of a Registered Technologist's role in health care.

For more information please contact the ARRT at www.arry.org for further details.

CIP Code: 510911

Fall Semester (6 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (9 Credits)

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)** #

Summer Semester (55 Credits)

Radiologic Technology (hospital-based)

Accredited Hospital-based programs begin in the summer.

Total Credits (70)

Choose from: MATH 108, MATH 115 or MATH 210.

Notes: Local hospitals accept applications during the fall and begin class in the summer. Please contact the hospital for specific timelines and admission requirements.

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Refrigeration, Air Conditioning and Heating Technology, A.A.S.

Major Code: 228

This is a program designed to provide the technical knowledge and skills required of persons employed in the air conditioning, heating and refrigeration businesses and industries. Students completing the program will be able to find employment in the areas of residential, commercial, and industrial air conditioning, heating and refrigeration

installation, maintenance and service. Planned lectures and laboratory experiences parallel those activities performed by service technicians in the field and include installing and checking equipment, servicing and replacing major and minor components and troubleshooting and analysis of individual units and complete systems. Field trips to businesses and industries are an integral part of the program.

This program will give students a thorough and in-depth understanding of the technology as well as prepare them to make rapid transition into gainful employment.

Upon completion of this program, graduates will be able to:

- Test pressures and temperatures in a heating, air conditioning, or refrigeration system to troubleshoot system performance.
- Install heating, air conditioning, and refrigeration equipment pertaining to HVAC codes and regulations.
- Apply advanced principles of heating, air conditioning, ventilation, and refrigeration.
- Prepare students for a wide variety of careers in HVAC and refrigeration.
- Prepare students to interact effectively with customers.

Students will be prepared for current national and state certifications in the industry. WVNCC serves as a testing center for many of these certifications.

Job Opportunities: Graduates from this program can expect to obtain entry level employment in positions such as refrigeration and air conditioner installers and service technicians. Future career paths include dispatchers, service and installation managers, parts and equipment sales, building control technicians, facilities technicians and managers, and small business owners. Graduates are employed by refrigeration, air conditioning and heating service and installation contractors, facilities such as hospitals, colleges, and school districts, industrial plants, data centers, supermarkets, convenience stores, and restaurant chains, and trade unions.

Wage and Employment Trends:

- The employment outlook is excellent for this field of study with opportunities locally, regionally, and nationally.

CIP Code: 470201

First Year

Fall Semester (15 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- Or
- ENG 115 - Technical Writing **3 Credit(s)**
- RAH 100 - Basic Refrigeration I **3 Credit(s)**
- RAH 110 - HVACR Piping Skills **3 Credit(s)**

Spring Semester (15 Credits)

- MATH - Mathematics Core Requirements **3 Credit(s)##**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**
- RAH 102 - Refrigeration Controls **3 Credit(s)**

- RAH 209 - Forced Air Systems/Duct Layout **3 Credit(s)**
- RAH 235 - Comfort Cooling **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- APT 112 - Introduction to Welding **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- RAH 206 - Heating Systems I **3 Credit(s)**
- RAH 207 - Heating Systems II **3 Credit(s)**
- RAH 220 - Hydronics **3 Credit(s)**

Spring Semester (15 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
or
- PSYC 155 - Human Relations **3 Credit(s)**
or
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- RAH 250 - Alternative Energy Concepts **2 Credit(s)**
- RAH 260 - Certification Preparation **3 Credit(s)**
- RAH 265 - Commercial Refrigeration **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Applied Science General Education Core Requirements

Respiratory Therapy (Seeking Provisional Accreditation)

Major Code:

The program course requirements are presented in sequence. Part -time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Respiratory therapists are employed in hospitals, skilled patient-care facilities, physician offices, home health agencies, free standing emergency departments, academic institutions and industry. The US department of Labor Bureau of Statistics indicates that employment for Respiratory therapist is expected to grow 13.2% faster than average through the year 2032 due to the substantial growth in the middle-aged and elderly population, which heightens the incidence of cardiopulmonary disease and the projected number of 90,000 practicing therapist expected to leave /retire from the profession by 2030.

The laboratory portions of the program, which reinforce concepts learned in lecture are held in our on-campus lab. Students have clinical experiences ranging from small community hospitals to large University hospitals, specialty rotations in the operating room, pulmonary function and sleep labs, and pulmonary rehab provide students with the knowledge and technical skills required of the Registered Respiratory therapist.

In addition to the General Education Outcomes, upon completion of this program, graduates will be able to:

Program Goal 1

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

(Cognitive): Upon completion of the program, students will evaluate clinical information relevant to their role as performed by a registered respiratory therapist.

This includes abilities to:

- a. Use cardiopulmonary anatomy, physiology and pathology to assess, treat, and care for patients with cardiopulmonary problems. (NBRC Matrix I A, B, C III D, E)
- b. Use respiratory therapy equipment according to standards and best practices. (NBRC Matrix II A, B, C)

(Affective): Upon completion of the program, students will demonstrate professional behaviors consistent with employer expectations as performed by registered respiratory therapists.

This includes abilities to:

- a. Communicate effectively with patients, physicians, and other members of the healthcare team. (NBRC Matrix III G-2)
- b. Actively participate in learning opportunities in the field of healthcare and to maintain licensure.
- c. Recognize human behavior, value systems, ethics, & cultures in healthcare.

(Psychomotor): Upon completion of the program, students will perform the technical skills required by registered respiratory therapists.

This includes abilities to:

- a. Apply the competencies in respiratory equipment operations, diagnostic testing, and respiratory modalities. (NBRC Matrix II A, B, C-3)
- b. Recognize life-threatening situations, administer necessary patient care, and maintain a patent airway. (NBRC Matrix III G)

Program Goal 2

To prepare the graduate to develop therapeutic goals of respiratory therapy basic care across the life span by:

- a. assessing patient subjective and objective data
- b. planning therapeutic interventions
- c. implementing the intervention
- d. evaluating the intervention's effectiveness (NBRC Matrix III G)

Assess, plan, implement and evaluate basic patient care across the life span. (NBRC content matrix III, E)

Program Goal 3

To provide graduates to fulfill the employment needs of RC professionals within the local, regional, and national service area.

Produce sufficient numbers of graduates to fill the positions caused by turnover or expansion.

IMPORTANT INFORMATION: Additional costs are associated with this program such as physicals, vaccinations, titers, drug screening and background checks. If you have ever been convicted of a felony or misdemeanor for any reason, you may be denied employment, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

CIP Code 51.0908

First Year

Fall Semester (16 Credits)

- BIO 220 - AP Health Care I **4 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- RETH 101 - Introduction to Respiratory Therapy **4 Credit(s)**
- RETH 103 - Cardiopulmonary Pharmacology **2 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**

Spring Semester (15 Credits)

- BIO 225 - AP Health Care II **4 Credit(s)**
- RETH 104 - Clinical Practicum I **2 Credit(s)**
- RETH 105 - Basic Respiratory Therapeutics **4 Credit(s)**
- RETH 107 - Cardiopulmonary & Renal Anatomy & Physiology **5 Credit(s)**

Summer Term (5 Credits)

- RETH 106 - Clinical Practicum II **2 Credit(s)**
- RETH 109 - Cardiopulmonary Diagnostics & Rehabilitation **3 Credit(s)**

Second Year

Fall Semester (12 Credits)

- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- RETH 201 - Critical Care I **4 Credit(s)**
- RETH 203 - Cardiopulmonary Pathology **2 Credit(s)**
- RETH 204 - Clinical Practicum III **3 Credit(s)**

Spring Semester (12 Credits)

- RETH 205 - Critical Care II **4 Credit(s)**
- RETH 206 - Clinical Practicum IV **3 Credit(s)**
- RETH 207 - Respiratory Therapy Seminar **1 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

Small Business Management, Business Career Studies, C.A.S.

Major Code: 158

This program is designed to prepare students to make sound management decisions concerning the operation of a small business. A basic background is provided in the following areas: accounting, computers and information technology, business law, marketing, business communications, and management.

This certificate program may be transferred to a two year program leading to an Associate in Applied Science degree.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Implement the full accounting cycle for various types of organizations
- Market and promote products
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

Graduates can expect to be employed in retail establishments, sole proprietorships, and food and hospitality industries.

Statistically, individuals with entrepreneurial skills constitute one of the fastest growing fields of employment.

Job Titles: Entrepreneurs, Assistant Managers, Front line shift supervisors, Store managers.

Wage and Employment Trends:

- According to the American Community Survey by the US Census Bureau, the median income for individuals who were self-employed at their own incorporated business in WV was \$42,450 in 2014; for those self-employed at their own unincorporated firms, it was \$18,785.

CIP Code: 520701

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- MGT 253 - Small Business Management **3 Credit(s)**

Spring Semester (15 Credits)

- BA 265 - Business Communications **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- MKT 230 - Principles of Marketing **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Social Work 2+2 to FUS, A.A.

Transfer to Franciscan University of Steubenville

Major Code: 392

Note: This is a transfer agreement through which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. It does not imply a guarantee that a student will be able to complete all requirements in four years.

Students completing this option will receive an Associate of Arts degree from West Virginia Northern. Upon being accepted to, and successfully completing the additional required credit hours at Franciscan University of Steubenville, they will receive a Bachelor Degree in Social Work (B.S.W.). Some of the 60 credit hours from WVNCC will transfer as equivalent courses, with the rest transferring as general electives.

In addition to the WVNCC courses, applicants for admission to FUS need to have an overall grade point average of 2.0 and meet other program admissions requirements of Franciscan University to be eligible under this program. Students must also make separate application to the Department of Social Work and fulfill other program admissions requirements.*

In addition to General Education Outcomes, students successfully completing and receiving an A.A. degree under the articulation agreement with Franciscan University's School of Social Work should be able to:

- Demonstrate knowledge of the history of the social work profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the social work profession.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence needs and affect the delivery of social services.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate attendance, initiative, organization, and interest in the profession.

To be considered for acceptance into the Social Work program at FUS, the student must, at the end of their sophomore year, apply for formal admission into the Social Work program in addition to applying for general admission to FUS.

The prospective student must:

- Complete the application for admission to the Social Work program at FUS.
- Submit a resume.
- Submit two letters of reference.
- Complete a personal interview with a program faculty member.
- Fulfill any additional admissions requirements of FUS.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students, may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair at WVNCC or FUS.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST requirement **3 Credit(s)+**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**

Spring Semester (15 Credits)

- ENG literature requirement **3 Credit(s) ***
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Spring Semester (16 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC/HS elective **3 Credit(s) #**

Total Credits (62)

*Choose from ENG 200, ENG 201, ENG 210, or ENG 211

+Choose from HIST 100 or HIST 101

#Choose from HS 101, PSYC 200, PSYC 210, or PSYC 218

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Social Work 2+2 to Ohio University, A.A. (Financial Aid Eligibility Pending)

Transfer to Ohio University Eastern

Major Code: 399

Note: The "2+2" term is used to refer to a transfer agreement through which a student completes an Associate degree at one institution and finishes a Bachelor degree at another institution. Due to individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in 2 (Associate) or 4 (Bachelor) years. The term "2+2" does not imply a guarantee that a student will be able to complete all requirements in 4 years.

Further, 2+2 articulation agreements contain very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not usually be considered or approved to allow a student to graduate under a 2+2 program.

Students successfully completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon acceptance and successfully completing the remaining specified credit hours at Ohio University Eastern, they will receive a Bachelor in Social Work (B.S.W.) Degree, which produces graduates who are well prepared to enter the work force as generalist social work practitioners. Applicants for admission to Ohio University Eastern's social work program must meet the following criteria:

- Student has completed the Associate degree at WVNCC
- Submit a transcript to OUE verifying an overall grade point average with a minimum of 2.0. The Social Work Department requires a 2.5 in the major*Contact OUE's Social Work Program director and obtain additional forms and instruction for admission to the Social Work program early in their program at WVNCC
- Submit at least one or two recommendation forms by a current or past faculty member or employer
- Have completed a minimum of 20 hours of volunteer or paid work experience in the area of social work
- Complete and submit a written personal essay
- Complete and submit an application to the Social Work Program at OUE
- Schedule and complete an interview with the Social Work Program Director at OUE

Students successfully completing and receiving an A.A. degree under the articulation agreement with Ohio University Eastern's School of Social Work should be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems;
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/ human services and apply basic skills related to general education curriculum requirements for the Social Work A.A. degree;
- Utilize critical thinking skills;
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
+++
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
+++
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
+++
- ENG 102 - College Composition II **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
+++

Second Year

Fall Semester (15 Credits)

- GEOG 205 - World Geography **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
+++
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**
+++
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Spring Semester (14 Credits)

- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
+++
- MATH 108 - College Algebra **4 Credit(s)**
+++

Total Credits (60)

+++Ohio University - Eastern requires a "C" or better in these courses and reserves the right to evaluate whether these WVNCC courses meet all outcomes for equivalent courses in a major.

Social Work 2+2 to WVU, A.A.

Transfer to West Virginia University

Major Code: 393

Note: This is a 2+2 transfer agreement through which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for supplemental coursework, scheduling and availability of courses, or other factors, this agreement does not imply a guarantee that a student will be able to complete all requirements in four years.

Students completing this option will receive an Associate of Arts degree from West Virginia Northern. Upon being accepted and successfully completing the specified number of credit hours at West Virginia University, they will receive a Bachelor Degree in Social Work (B.S.W.). The majority of credit hours will transfer as equivalent courses, with the rest transferring as general electives.

In addition to the WVNCC courses, applicants for admission to WVU need to have an overall grade point average of 2.5*, 100 hours of documented relevant volunteer or work experience, submit a written personal statement and at least one letter of reference. Qualifying students will compete with other WVU students and transfers, and students must make application to WVU's office of admissions and the B.S.W. Program Coordinator no later than January 31 of the year they plan to matriculate to WVU.

Students successfully completing and receiving an A.A. degree under this 2+2 transfer agreement with West Virginia University's School of Social Work should be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/human services.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the social work/human services professions.
- Demonstrate knowledge of the issues related to the needs and problems of different client populations.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence needs and affect the delivery of social work/human services.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Social Work A.A. transfer degree.
- Apply knowledge and basic skills related to therapeutic communication and relationships in social work.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic

requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- HUM - Humanities requirement **3 Credit(s)** ***
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)** **

Second Year

Fall Semester (16 Credits)

- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)** **
- Restricted Elective **3 Credit(s)** #

Spring Semester (13 Credits)

- HIST - History Requirement **3 Credit(s)**+
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- Restricted Elective **3 Credit(s)** #
- Elective **1 Credit(s)** ##

Total Credits (60-61)

** Choose from: BIO 110, CHEM 108, CHEM 109, PHYS 104 or PHYS 105.

*** Choose from: ART 150 or MUS 105

+ Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

Restricted electives: choose from HS 101, HS 150, HS 200, or SS 207 (SS 207 fulfills a minority studies requirement at WVU.)

Elective can be chosen from any college-level course (100 level and above)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Social Work, A.A. (Transfer to West Liberty University)

Major Code: 346

Note: This program is through a transfer agreement in which a student completes an Associate's degree at one institution and finishes a Bachelor's degree at another institution. Due to individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon successfully completing the additional credit hours required at WLU, they will receive a Bachelor of Social Work (BSW) degree, and may be eligible to sit for the Social Work licensure exam.

Students successfully completing and receiving an A.A. degree under the transfer agreement with West Liberty University's School of Social Work will be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/human services.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization, and interest in the profession.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize access and literacy skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.
 - Utilize critical thinking skills.

In addition to the WVNCC courses, applicants for admission to WLU need to have an overall grade point average of 2.5 and meet other program admissions requirements of WLU to be eligible for admission under the transfer

program. Students must also complete a separate application for the Department of Social Work and fulfill other program admission requirements (below). Students are encourage to meet with a member of the Social Work faculty at WLU early in their program of study at WVNCC to obtain information and counseling concerning transferring to the BSW program.*

Applicants for admission to West Liberty University's school work program must also meet the following criteria:

- Submit a transcript to WLU verifying an overall grade point average with a minimum of 2.0. The Social Work Department requires a 2.5 in the major.
- Contact WLU's Social Work Program and obtain WLU's Social Work Student Program Manual, which will provide additional forms and instruction for admission to the Social Work program.
- Submit at least one recommendation form by a current or past faculty member or employer.
- Complete and submit a written personal statement entitles "Why I Want to be a Social Worker", as outlined in WLU's Social Work Program Manual.
- Complete and submit an application to the Social Work Program at WLU.
- Schedule and complete an interview with the Social Work Program Director at WLU.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. A student who has been convicted of a felony or misdemeanor should contact the Program Director.

CIP Code: 440701

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- HUM - Humanities Core Requirement (Fine Arts) **3 Credit(s)***
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- or
- POLS 102 - American National Government and Politics **3 Credit(s)**
- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Spring Semester (15 Credits)

- HIST - History Core Requirement **3 Credit(s)****
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PSYC 200 - Abnormal Psychology **3 Credit(s)**

Total Credits (61)

*Choose from ART 150 or MUS 105

** Choose from HIST 100, HIST 101, HIST 110, or HIST 111

West Liberty University requires a "C" or better in all transfer courses and reserves the right to evaluate whether WVNCC courses meet all outcomes for equivalent courses in a major.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See with your advisor to determine if you have met this requirement.

Social Work/Pre-Social Work Transfer to BC, A.A.

Transfer to Bethany College

Major Code: 167

Note: This articulation transfer agreement allows a student to complete an associate degree at WVNCC and finish their Bachelor's degree at Bethany College. Individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors may affect the time it will take a particular student to complete all requirements.

The articulation agreements contain very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not usually be considered or approved to allow a student to graduate under an articulation agreement program.

Students completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon completing the remaining specified credit hours at Bethany College, they will receive a Bachelor in Social Work (B.S.W.) Degree. In addition to the WVNCC courses, applicants for admission to Bethany's social work program must meet the following criteria:

1. Submit a transcript to Bethany College verifying an overall grade point average of 2.0.*
2. Obtain Bethany College's Social Work Student Handbook

3. Submit an application and all related documents to the Social Work Program Director by May 1
4. Submit at least one recommendation form by a current or past faculty member or employer
5. Complete and submit a criminal background check
6. Complete and submit a written personal statement entitled, "Why I Want to be a Social Worker"
7. Provide proof of completion of a 50-hour service learning experience (the WVNCC Human Services internship will fulfill this requirement)
8. Schedule and complete an interview with the Social Work Program Director at Bethany College

In addition to General Education Outcomes, students successfully completing and receiving an A.A. degree under the articulation agreement with Bethany College's School of Social Work should be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/ human services and apply basic skills related to general education curriculum requirements for the Social Work A.A. degree.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If a prospective student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. If a student has ever been convicted of a felony or misdemeanor, he/she should contact the appropriate Program Director or Division Chair.

CIP Code: 240199

First Year

Fall Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HPE 105 - Personal Fitness **1 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- MUS 105 - Music Appreciation **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- HIST Core Requirement **3 Credit(s) ****
- Elective **3 Credit(s)**

Second Year

Fall Semester (15/16 Credits)

- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- MATH - Mathematics Core Requirement **3(4) Credit(s) ***
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Spring Semester (14 Credits)

- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HPE 100 - General Program in Physical Education **1 Credit(s)**
or
- HPE 101 - General Program in Physical Education **1 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- HS 208 - HS Field Experience (Internship) **3 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s) *****

Total Credits (61-62)

* Choose from: MATH 108 or MATH 210.

** Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

*** Choose from: ENG 200, ENG 201, ENG 210, ENG 211, ENG 225, or ENG 226

NOTE! Bethany College requires a "C" or better in all courses and reserves the right to evaluate whether these WVNCC courses meet all outcomes for equivalent courses in a major. Recommended courses for additional transfer credits include, but are not limited to: CRJ 104, CRJ 110, CRJ 201, CRJ 220, CRJ 225, CRJ 245, HS 150, PHIL 200, PSYC 200, PSYC 218.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Substance Abuse Intervention Specialist, A.A.S.

Major Code: 396

The Substance Abuse Intervention Specialist AAS prepares students to work with people and families experiencing or affected by substance abuse problems and other co-occurring behavioral or mental health issues. Students will learn about working with clients, and acquire skills needed to apply the theories used in psychology, social work, and substance use disorders to help individuals and families recover from substance abuse & addiction and prevent relapse. A 2.0 GPA is required for acceptance into this program.

This degree allows students to complete a degree quickly to prepare to work in the field of substance abuse, social work, or mental health as soon as possible.

In addition to General Education Outcomes, students successfully completing and receiving an AAS degree in Substance Abuse Intervention Specialist should be able to:

- Apply the philosophies of Alcoholics Anonymous and Narcotics Anonymous
- Explain history, concepts, theories and strategies used in psychology & human services delivery systems.
- Explain similarities and differences among psychoactive substances and their effects on the user
- Explain issues related to the needs of different types of clients with substance use disorders, including their impact on families and communities
- Demonstrate professionalism and apply medical, legal, and discipline-based ethics in clinical settings by successfully completing an internship.
- Apply the skills, techniques, strategies, and abilities needed for assessing, treatment planning, and therapeutic communication with clients in individual or group settings
- Apply the skills and abilities needed to be objective, understanding, and empathetic toward individuals from diverse backgrounds and ability levels.

Returning students who completed certain courses (HS 100, HS 101, HS 147, HS 150, HS 200, HS 210, BIO 114, AHS 103, AHS 110, HPE 110) more than 5 years prior to entering this program will be asked to repeat the course(s) to ensure that their knowledge & skills are current in the field.

Graduates of this program can expect to be employed in substance abuse treatment facilities or other human services agencies in positions which do not require bachelor's degrees as intervention specialists, prevention specialists, peer recovery support specialists, behavior specialists, case aides or caseworkers, or as mental health or crisis intervention technicians. To become a certified addictions counselor, social worker, or similar professional, students with the associate degree will need to continue their education by earning more advanced degrees at other colleges or universities.

This project is supported by a grant from the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant # T26HP394640100, "Opioid Impacted Family Support Program". This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government."

The employment outlook for these jobs currently is above average but is dependent upon changing needs within the local region, other regions and the nation.

Salaries are moderately low compared to other fields. Pay depends on the location and type of agency and on the prospective employee's level of education and work experience.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. A student who has been convicted of a felony or misdemeanor should contact the Program Director.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following university to complete a four-year degree:
 - West Liberty University, BS, Social Work
 - West Virginia University - BS, Social Work
 - West Virginia University - BA, Mental Health & Addiction Studies

Job Titles: Prevention Specialist, Peer Support Specialist, Family Service Worker, Direct Services Worker, Mental Health Technician

Wage and Employment Trends:

- \$19,000 to \$28,000 (Ziprecruiter, 2020)
- 22% growth in the next four years (SAMHSA, 2019)

CIP Code: 51.1501

First Year

Fall Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (12-13 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- Math Core Requirement* 3-4 Credit(s)
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- SA 100 - Peer Recovery Support Specialist (PRSS) Ethics **1 Credit(s)**
- SA 200 - Substance Abuse Practicum/Clinical Experience I **1 Credit(s)**

Summer Semester (2 Credits)

- SA 201 - Substance Abuse Practicum/Clinical Experience II **2 Credit(s)**

Second Year

Fall Semester (15-16 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 155 - Substance Abuse Treatment & Recovery **2 Credit(s)**
- Science Core Requirement 3-4 Credit(s)
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- CRJ Restricted Elective **3 Credit(s)#**

- HS 200 - Social Welfare Institutions **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SA 204 - SA Field Experience (Internship) **3 Credit(s)**
**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Total Credits (61-63)

*Students who eventually plan to transfer should take MATH 210 to maximize transferability into bachelor's degree programs in social work or psychology.

#CRJ elective should be chosen from: CRJ 245 or CRJ 246

**Before registering for the Internship/Clinical Experience III, students must apply to and be accepted by an approved social services agency. There is also a class requirement of two hours every other week.

IMPORTANT GRADUATION INFORMATION:ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education (Math/Science) Requirements

Associate in Applied Science General Education (Math/Science) Core Requirements

Substance Abuse Intervention Technician, C.A.S

Major Code: 395S

The Substance Abuse Intervention Technician CAS prepares students to work with individuals and families experiencing or affected by substance abuse problems and other co-occurring behavioral or mental health issues. Students will learn about working with clients, and acquire skills needed to apply theories used in psychology, social work, and substance use disorders to help individuals and families recover from substance abuse & addiction and prevent relapse. A 2.0 GPA is required for acceptance into this program.

This program allows students to complete a certificate quickly to prepare to work in the fields of substance abuse, social work, or mental health in a treatment facility. Students who complete this certificate under the federal grant referenced below, who have worked or currently work in the field of Substance Abuse Intervention and have completed a certain number of clinical, internship, or on the job hours in assessment, diagnosis, treatment, recovery, & education under the direct supervision of a licensed or certified Substance Use Disorder treatment professional may be eligible for an Apprenticeship Certificate through the Department of Labor or through state certification boards.

For students who have also had a successful personal recovery experience, it will fulfill the eligibility requirements of the WV Certification Board for Addiction & Prevention Professionals (WVCBAPP) to sit for the exam to become credentialed as peer recovery support specialists (PRSS) in West Virginia.

It also fulfills some of the requirements for students who wish to pursue the Associate in Applied Science Degree (AAS) for Substance Abuse Intervention Specialists, or can serve as a foundation for students who eventually may wish to pursue a Bachelor's or Master's degree in Social Work, Psychology, Counseling, Mental Health/Addiction studies, or related fields.

This project is supported by a grant from the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant # T26HP394640100, "Opioid Impacted Family Support Program". This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government."

Students successfully completing and receiving a Certificate in Substance Abuse Intervention Technician should be able to:

- Explain the philosophies of Alcoholic's Anonymous and Narcotics Anonymous*
- Describe history, concepts, theories and strategies used in psychology & human services delivery systems.*
- Identify psychoactive substances and their effects on the user*
- Explain issues related to the needs of different types of clients with substance use disorders*
- Demonstrate professionalism and apply medical, legal, and discipline-based ethics in clinical settings by successfully completing practicums.*
- Describe the skills, techniques, strategies, and abilities used for assessing, treatment planning, and therapeutic communication with clients in individual or group settings*
- Describe concepts related to equity and inclusion for individuals from diverse backgrounds and ability levels*

*Returning students who completed certain courses (HS 100, HS 101, HS 147, HS 150, HS 200, HS 210, BIO 114, AHS 103, AHS 110, HPE 110) more than 5 years prior to entering this program will be asked to repeat those course(s) to ensure that their knowledge & skills are current in the field.

Graduates of this program can expect to be employed in substance abuse treatment facilities or other human services agencies in positions which do not require Associate or Bachelor's degrees as peer recovery support specialists, behavior specialists, case aides or caseworkers, or as mental health or crisis intervention technicians. To become a prevention specialist or certified addictions counselor, social worker, or similar professional, students with this certificate will need to continue their education by earning an Associate or Bachelor's degree.

The employment outlook for these jobs currently is above average but is dependent upon changing needs within the local region, other regions and the nation.

Salaries are moderately low compared to other fields. Pay depends on the location and type of agency and on the prospective employee's level of education and work experience.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. A student who has been convicted of a felony or misdemeanor should contact the Program Director.

Job Titles: Peer Support Specialist, Family Service Worker, Direct Services Worker, Mental Health Technician

Wage and Employment Trends:

- \$13 to \$15 an hour (Payscale.com, 2020)
- 22% growth in the next four years; faster than average (SAMHSA, 2019)

CIP Code: 51.1501

First Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Second Semester (12-13 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- Math Core Requirement* 3-4 Credit(s)
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- SA 100 - Peer Recovery Support Specialist (PRSS) Ethics **1 Credit(s)**
- SA 200 - Substance Abuse Practicum/Clinical Experience I **1 Credit(s)**

Third Semester (2 Credits)

- SA 201 - Substance Abuse Practicum/Clinical Experience II **2 Credit(s)**

Total Credits 30-31

*Students who eventually plan to transfer should take MATH 210 to maximize transferability into bachelor's degree programs in social work or psychology.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education (Math) Requirement

Associate in Applied Science General Education Math Core Requirement

Surgical Technology, A.A.S.

Major Code: 257

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Admissions/Registration and Policies sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Surgical Technologists are experts in the theory and application of sterile and aseptic techniques. That, combined with knowledge of human anatomy, surgical procedures, and implementation tools and technologies, helps physicians perform invasive procedures. They provide surgical care under medical supervision, ensure operating rooms are safe, that equipment functions properly and that the operative procedure is conducted under conditions that maximize patient safety.

The laboratory portions of the program, which reinforce concepts learned in class, are held in our on-campus lab and in operating suites at area hospitals. Students have clinical experiences in hospitals and actively participate on operating room teams during surgery while clinical preceptors oversee their work.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Apply principles of asepsis and sterile technique.
- Demonstrate professionalism while providing care to diverse populations within the healthcare setting.
- Apply principles of perioperative case management to ensure safe and efficient surgical procedures.
- Demonstrate problem solving and critical thinking skills during surgical procedures.
- Successful completion of the National Certification for the Surgical Technologist.

Important information: Additional costs are associated with this program such as physicals, vaccinations, titers, drug screening and background checks. If you have ever been convicted of a felony or misdemeanor for any reason, you may be denied employment in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

Wage and Employment Trends:

- According to the Bureau of Labor Statistics, surgical technologists in West Virginia earn on an average \$49,710 per year.
- West Virginia has one of the highest concentrations of surgical technologists in the country.

CIP Code: 51.0909

First Year

Fall Semester (12 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ST 105 - Surgical Technology I **4 Credit(s)**
- ST 115 - Clinical Practice I **4 Credit(s)**

Spring Semester (17 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- ST 125 - Anesthesia/Pharmacology for the Surgical Technologist **3 Credit(s)**
- ST 150 - Surgical Technology II **4 Credit(s)**
- ST 155 - Clinical Practice II **4 Credit(s)**

Summer Semester (4 Credits)

- ST 180 - Clinical Experience **4 Credit(s)**

Second Year

Fall Semester (14 Credits)

- MATH core requirement **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- ST 200 - Surgical Technology III **4 Credit(s)**
- ST 210 - Clinical Practice III **4 Credit(s)**

Spring Semester (13 Credits)

- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- ST 250 - Surgical Technology IV **4 Credit(s)**
- ST 255 - Clinical Practice IV **4 Credit(s)**
- ST 260 - Surgical Technology Seminar **2 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to the General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Technical Studies, A.A.S.

Major Code: 456

Northern works with employers or agencies to develop programs that incorporate training from the sponsor and combine it with general education and technical training provided by the College to offer an associate's degree. Students must be employees or clients of the sponsor to be eligible for enrollment in this program. Required courses are specified in agreements between the College and the sponsor.

Major Code: 451

Currently there is a Technical Studies degree available as a Child and Family Specialist with Northern Panhandle Headstart of West Virginia.

Upon completion of the program, graduates will be able to:

- Effectively use both written and verbal communication skills in the workplace.
- Demonstrate knowledge of interpersonal skills and their application in the workplace.
- Apply principles of mathematics and science to contemporary issues in society and in the workplace.
- Demonstrate an understanding of technical skills required in the specific occupational area.

The Technical Studies program generally has four components:

- General education core.
- Technical core.
- Technical specialty.
- And in addition, some programs have an on-the-job training component.

Specific agreements that list course requirements for each component are available from the College Counselors or the Vice President of Economic and Workforce Development.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

CIP Code: 419999

General Education Core Requirements

Associate in Applied Science General Education Requirements

Welding Technology, A.A.S.

Major Code: 238

The Welding Technology program is designed to prepare individuals with advanced welding skills that make them ideal candidates for employment for a wide range of industrial settings. Students in the program will weld plate and pipe in various processes in all positions to American Welding Society (AWS) standards. All technical courses in the program provide extensive hands-on experiences. Students will have a broad based foundation in welding that includes Shielded Metal Arc Welding (SMAW), TIG welding and MIG welding. Safety, selection of proper equipment, selection of appropriate filler materials, and proper weld techniques are stressed throughout the curriculum. In addition, students will be trained in reading prints with welding symbols and will have a basic understanding of metallurgy and layout and fabrication.

The Welding Technology program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advanced standing and should confer with program faculty and/or advisors about processes to obtain advanced standing.

Upon completion of this program, graduates will be able to:

- Demonstrate safe practices in all welding activities.
- Demonstrate ability to read and apply welding prints and symbols.
- Perform basic processes of oxyacetylene welding and cutting
- Demonstrate ability to weld Fillet welds in all positions to AWS standards

- Demonstrate ability to weld Groove welds in all positions on plate and pipe to AWS standards.
- Apply basic understanding of metallurgy in performing welds and selecting appropriate processes and materials.
- Understand how to start and complete a fabrication project.

The employment outlook is currently above average at the regional, state, and national levels. Bureau of Labor Statistics (BLS) report an average annual salary of \$30,000 to \$80,000 for welder and \$55,000 to \$120,000 for Welding supervisors. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

Job Titles: Aluminum Welder, Fabrication Welder, Fabricator, FCAW Welder, Fitter/Welder, Maintenance Welder, GMAW Welder, GTAW Welder, SMAW Welder

Wage and Employment Trends:

- Wage Range: \$38,000 to \$80,000 annual (Onet, 2016)
- Projected Growth 5-9% (Onet, 2016)
- Certification Options: American Welding Society

CIP Code: 480508

First Year

Fall Semester (16 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- WELD 100 - Basic Weld Inspection **1 Credit(s)**
- WELD 102 - Basic Shielded Metal Arc Welding **3 Credit(s)**
- WELD 110 - Intermediate Shielded Metal Arc Welding **3 Credit(s)**

Spring Semester (16 Credits)

- APT 110 - Introduction to Print Reading **3 Credit(s)**
- HPE 110 - CPR and First Aid **1 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab **2 Credit(s)**
- WELD 112 - Advanced Shielded Metal Arc Welding **6 Credit(s)**

Second Year

Fall Semester (14 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**
- WELD 202 - Beginning MIG **3 Credit(s)**
- WELD 204 - Advanced MIG **3 Credit(s)**
- WELD 210 - Flux Core Welding **3 Credit(s)**
- WELD 215 - Metallurgy **2 Credit(s)**

Spring Semester (15 Credits)

- PSYC 155 - Human Relations **3 Credit(s)**
- WELD 206 - Beginning TIG **3 Credit(s)**
- WELD 208 - Advanced TIG **3 Credit(s)**
- WELD 220 - Layout and Fabrication **3 Credit(s)**
- WELD 225 - Downhill Pipe Welding **3 Credit(s)**

Total Credits (61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Welding: Combination Pipe, Advanced Skills Set Program

Major Code: 739S

The Combination Pipe Welding Advanced Skills Set Program is designed to prepare individuals with advanced welding skills that make them ideal candidates for employment for a wide range of industrial settings. Students in the program will weld pipe in various processes in all positions to AWS (American Welding Society) standards. All technical courses in the program provide extensive hands-on experiences. Students will have a broad based foundation in welding that includes Shielded Metal Arc Welding (SMAW) and Gas Tungsten Arc Welding (GTAW).

The Combination Pipe Welding Program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advance standing and should confer with program faculty and/or advisors about processed to obtain advanced standing.

In addition to General Education Outcomes, upon completion of this program, students will be able to:

- Demonstrate safe practices in all welding activities.
- Demonstrate ability to weld pipe in all positions using SMAW to AWS standards.
- Demonstrate ability to weld fillet and butt welds in all positions on both plate and pipe, utilizing GTAW to AWS standards.

The employment outlook is currently above average at the regional, state, and national levels. Bureau of Labor Statistics (BLS) report an average annual salary of \$40,000 to \$80,000 for Combination Pipe Welder. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

CIP Code: 480508

Spring Semester

- WELD 115 - Fabrication Drawing & Fitter Skills **3 Credit(s)**
- WELD 112 - Advanced Shielded Metal Arc Welding **6 Credit(s)**
- WELD 206 - Beginning TIG **3 Credit(s)**
- WELD 208 - Advanced TIG **3 Credit(s)**
- WELD 225 - Downhill Pipe Welding **3 Credit(s)**

Total Credits (18)

These classes will take 15 weeks to complete and will require a commitment of 7 am - 2 pm, Monday through Friday, during the spring semester. Upon completion of these classes, students will receive 18 college credit hours or 45 CEU's depending on the student's needs. This program is not eligible for Title IV financial aid. Options are available to take additional general education requirements to obtain a college certificate or degree.

Welding: Oil and Gas Pipe, C.A.S.

Major Code: 239

The Oil & Gas Pipe Welding program is designed to prepare an individual with the advanced skills needed for the ever changing job market. Students in the program will weld pipe utilizing Shielded Metal Arc Welding (SMAW) in all positions to American Welding Society (AWS) standards. All technical courses in the program provide extensive hands-on experiences.

The Oil & Gas Pipe Welding program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advanced standing and should confer with program faculty and/or advisors about processes to obtain advanced standing.

Upon completion of this program, graduates will be able to:

- Communicate effectively in oral and written formats.
- Demonstrate problem-solving and critical thinking skills.
- Employ mathematical and science literacy skills.
- Demonstrate safe practices in all welding activities.
- Demonstrate ability to weld pipe in the 5G and 6G positions using SMAW in the downhill progression
- Demonstrate how to read and identify drawings, prints and symbols.
- Demonstrate the ability to layout and cut pipe manually for branch and butt joints.

Job Opportunities: Graduating students will have the skills necessary to find work as a construction pipe welder, pipeline welder, or facility maintenance welder in a variety of settings. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

Wage and Employment Trends:

- According to the Bureau of Labor Statistics (BLS), oil and gas pipe welders earn an average annual salary of \$40,000 to \$80,000 per year.
- The employment outlook is currently above average at the regional, state, and national levels.

CIP Code: 480508

Welding: Oil & Gas Pipe

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**

- PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab **2 Credit(s)**
- WELD 102 - Basic Shielded Metal Arc Welding **3 Credit(s)**
- WELD 112 - Advanced Shielded Metal Arc Welding **6 Credit(s)**
- WELD 225 - Downhill Pipe Welding **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Welding: Structural Steel, Advanced Skills Set Program

Major Code: 738S

The Structural Steel Welding Advanced Skills Set Program is designed to prepare individuals with advanced welding skills that make them ideal candidates for employment for a wide range of industrial settings. Students in the program will weld plate in various processes in all positions to AWS (American Welding Society) standards. All technical courses in the program provide extensive hands-on experiences. Students will have a broad based foundation in welding that includes Shielded Metal Arc Welding (SMAW), Flux Core Arc Welding (FCAW), and Gas Metal Arc Welding (GMAW).

The Structural Steel Welding Program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advance standing and should confer with program faculty and/or advisors about processed to obtain advanced standing.

In addition to General Education Outcomes, upon completion of this program, students will be able to:

- Demonstrate safe practices in all welding activities.
- Demonstrate ability to weld fillet welds in all positions on structural steel plate using SMAW to AWS standards.
- Demonstrate ability to weld fillet welds in all positions on structural steel plate using GMAW to AWS standards.

The employment outlook is currently above average at the regional, state, and national levels. Bureau of Labor Statistics (BLS) report an average annual salary of \$30,000 to \$75,000 for Structure Steel Welder. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

CIP Code: 480508

Fall Semester

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- WELD 102 - Basic Shielded Metal Arc Welding **3 Credit(s)**
- WELD 110 - Intermediate Shielded Metal Arc Welding **3 Credit(s)**
- WELD 202 - Beginning MIG **3 Credit(s)**
- WELD 210 - Flux Core Welding **3 Credit(s)**

Total Credits (18)

These classes will take 15 weeks to complete and will require a commitment of 7 am - 2 pm, Monday through Friday, during the fall semester. Upon completion of these classes, students will receive 18 college credit hours or 45 CEU's depending on the student's needs. This program is not eligible for Title IV financial aid. Options are available to take additional general education requirements to obtain a college certificate or degree.

Programs of Study

West Virginia Northern Community College is authorized by the West Virginia Council for Community and Technical College Education and Higher Education Policy Commission to offer the following programs resulting in the granting of Associate in Arts degrees (A.A.), Associate in Science degrees (A.S.), Associate in Applied Science degrees (A.A.S.) and Certificate in Applied Science (C.A.S.). NOTE: Students can apply up to three credit hours of continuing education credit toward a degree.

Transfer Partners

BC = Bethany College / **FUS** = Franciscan University of Steubenville / **WLU** = West Liberty University / **WVU** = West Virginia University / **WU** = Wheeling University / **WVSU** = West Virginia State University / **UC** = University of Charleston

Associate

Associate in Arts Degree, English/Humanities Concentration

Major Code: 343

This program is designed for those who expect to transfer to a college or university to study in English, literature and/or humanities. The curriculum gives students a broad background in liberal arts with an emphasis on English, literature, humanities, and social sciences.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of important literary works and writers and their relationship to historical and sociological events.
- Demonstrate a knowledge of philosophies and the expression of ideas and values through the arts.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access in literacy skills.

- Demonstrate problem-solving and critical thinking skills.
- Employ mathematical and science reasoning skills.
- Acquire a cultural, artistic, and global perspective.
- Demonstrate professional and human relations skills.

Graduates of this program would plan to transfer to a four-year college or university to complete a bachelor's degree in English, literature, secondary education, English education, or another liberal arts discipline, and may go on to earn an advanced degree.

CIP Code: 240101

First Year

Fall Semester (15/17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** **
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16/17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s)** *

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirement **1 Credit(s)** #
- MUS 105 - Music Appreciation **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s)** *

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**

- Concentration Elective **3 Credit(s)** *
- Elective **3 Credit(s)**

Total Credits (60-63)

* Choose from: ENG 200, ENG 201, ENG 208, ENG 210, ENG 211, ENG 225, ENG 226.

** Choose from: HIST 100, HIST 101, HIST 110 and HIST 111.

#HPE requirements can be fulfilled with HPE 100, HPE 101 or HPE 105.

Concentration and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours – it is recommended that students in this program choose their six hours of HUM core requirements from ART, ENG, MUS, or PHIL.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Arts Degree, General Concentration

Major Code: 100

This program is designed for those who expect to transfer to a college or university to study in a variety of liberal arts programs, including art, communication, education, English, journalism, library science, philosophy, pre-law, political science, or the social sciences. The curriculum gives students a broad background in liberal arts with an emphasis in the Liberal Arts disciplines.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of theories, concepts, and principles relevant to the liberal arts.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access and literacy skills.
 - Demonstrate problem-solving and critical thinking skills.
 - Employ mathematical and science reasoning skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

Graduates of this program would plan to transfer to a four-year college or university to complete a bachelor's degree in a variety of liberal arts disciplines, and may go on to earn an advanced degree.

CIP Code: 240101

First Year

Fall Semester (15-17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)**
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirement **1 Credit(s) #**
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Spring Semester (15 Credits)

- HUM - Humanities Core Requirement **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Total Credits (60-63)

*Choose from: Any ART, ENG, ECON, HIST, MUS, SOC, SS, PSYC, or PHIL (3 hours from 3 separate disciplines to equal 9 hours).

**Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

#HPE requirements can be fulfilled with HPE 100, HPE 101 or HPE 105.

Concentration electives and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Arts Degree, History/Social Science Concentration

Major Code: 342

This program is designed for those who expect to transfer to a college or university to study in history, sociology, political science, economics or other social science disciplines. The curriculum gives students a broad background in liberal arts with an emphasis on history, humanities, and social sciences.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of theories, concepts and principles relevant to the social sciences.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access and literacy skills.
 - Demonstrate problem-solving and critical thinking skills.
 - Employ mathematical and science reasoning skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

Graduates of this program may transfer to a four-year college or university to complete a bachelor's degree in history, social science, sociology, political science, economics or another social sciences discipline.

CIP Code: 240101

First Year

Fall Semester (15-17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** **
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirements **1 Credit(s) #**
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Spring Semester (15 Credits)

- HUM - Humanities Core Requirement **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Total Credits (60-63)

* Choose from: ECON 104, ECON 105, ECON 120, GEOG 205, HIST 100, HIST 101, HIST 110, HIST 111, HS 147, PSYC 208, SOC 255, SOC 276 .

**Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

#HPE requirements can be fulfilled with any HPE 100, HPE 101 or HPE 105.

Concentration electives and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to see if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Arts Degree, Psychology Concentration

Major Code: 119

This program is designed for those who expect to transfer to a college or university to study psychology. The curriculum gives students a broad background in liberal arts with an emphasis on psychology, social sciences, and humanities.

Upon completion of the program, graduates will be able to:

- Demonstrate knowledge of basic concepts, theories, and principles used in the field of psychology.
- Demonstrate knowledge and skills related to general education competencies for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Employ or utilize information access and literacy skills.
 - Demonstrate problem-solving and critical thinking skills.
 - Employ mathematical and science reasoning skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

Graduates of this program would plan to transfer to a four-year college or university to complete a bachelor's degree in psychology, and may go on to earn an advanced degree. At the bachelor's level, they may expect to become case managers or service providers in public or private agencies which provide psychological and social services. With an advanced degree, they may expect to become licensed clinical or counseling psychologists working in public or private agencies which provide psychological services.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (15-17 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** **
- MATH - Mathematics Core Requirement **3(5) Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**

- MATH - Mathematics Core Requirement **4(5) Credit(s)**
or
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- HPE - Physical Education Requirements **1 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***

Spring Semester (15 Credits)

- HUM - Humanities Core Requirement **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- Concentration Elective **3 Credit(s) ***
- Elective **3 Credit(s)**

Total Credits (60-63)

*Choose from: HS 147, HS 150, HS 210, PSYC 155, PSYC 200, PSYC 208, PSYC 210, PSYC 218, SS 207.

** Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

#HPE requirements can be fulfilled with any HPE 100, HPE 101 or HPE 105.

Concentration and general electives should be selected in consultation with an advisor and/or the college to which the student intends to transfer.

Note: Courses used to fulfill core requirements may not also be used as concentration hours.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements in HUM, HIST, SS, MATH, and SCI.

General Education Core Requirements

Associate in Arts General Education Requirements

Associate in Science Degree

Major Code: 102

This program is designed for students who expect to complete a degree at a four- year institution in such areas as biology, engineering, mathematics or the physical sciences. Students should consult with their advisor regarding requirements of WVNCC and the institution to which they plan to transfer.

In addition, graduates will be able to:

- Apply basic principles of biological and physical sciences and mathematics.
- Apply the scientific method in designing, conducting and analyzing experiments.
- Communicate effectively and work collaboratively.
- Use mathematical and scientific principles in problem solving.
- Relate issues from a global perspective.
- Conduct basic research using the Internet and print resources.

CIP Code: 240199

First Year

Fall Semester (14 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- MATH - Mathematics Core Requirement **4 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- MATH - Mathematics Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**
- Elective **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- HIST - History Core Requirement **3 Credit(s) ***
- HUM - Humanities Core Requirement **3 Credit(s)**
- MATH - Mathematics Electives **9 Credit(s)**
or
- SCI - Science Electives **9 Credit(s)**

Spring Semester (15 Credits)

- MATH - Mathematics Core Requirements **6 Credit(s)**
or
- SCI - Science Core Requirements **6 Credit(s)**
- Elective **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**

Total Credits (60)

Students must see their academic advisor to plan courses for a concentration in Science or Mathematics.

*Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

Refer to General Education Core Requirements for the Associate in Science Program listed below.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Science General Education Requirements

Associate in Science Degree, Biology Concentration

****THIS PROGRAM IS UNDER CONSTRUCTION. CHECK BACK FOR UPDATES!****

Major Code: 274

This program is designed for those who expect to transfer to a college or university to study in biology. The curriculum gives students a broad background in liberal arts with a concentration in biology and physical sciences.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

1. Apply the scientific method in designing, conducting and analyzing experiments.
2. Interpret and apply information from credible scientific sources.
3. Explain basic principles of biology, including the core concepts of structure and function, genetics, reproduction, and evolution.
4. Integrate and apply knowledge across scientific disciplines.
5. Demonstrate basic lab skills in biology and the physical sciences.

Training in biology provides a foundation a wide range of fields including:

- Health Sciences
- Dentistry
- Veterinary medicine
- Ecology
- Organismal biology

- Environmental science
- Education

CIP Code: 240199

First Year

Second Year

Total Credits (60-62)

Refer to General Education Core Requirements for the Associate in Science Program listed below.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Science General Education Core Requirements

Associate in Applied Science

Accounting/Business Studies, A.A.S.

Major Code: 120

This option is designed to meet the needs of modern business and industry for accounting professionals. The curriculum will help students develop habits of critical, logical thinking while they learn to record, report and interpret data using basic accounting as well as electronic procedures. Computerized software and accounting applications will be emphasized.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Implement the full accounting cycle for various types of organizations
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business

- Demonstrate managerial decision making

Graduates of this program can expect to obtain employment in positions such as accounts receivable, accounts payable, accounting clerk, payroll clerk, billing manager, and customer service representatives.

Graduates can expect to be employed in medical and banking facilities, industrial and manufacturing plants, communication businesses, and various small businesses.

CIP Code: 520101

First Year

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 100 - Introduction to Business **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- BA 265 - Business Communications **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- ACC 205 - Cost & Managerial Accounting **3 Credit(s)**
- ACC 224 - Intermediate Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- MGT 250 - Principles of Management **3 Credit(s)**
or
- MGT 253 - Small Business Management **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 222 - Computerized Accounting **3 Credit(s)**
- ACC 225 - Intermediate Accounting II **3 Credit(s)**

- ACC 240 - Business Taxation **3 Credit(s)**
- ACC 250 - Accounting Capstone **3 Credit(s)**
- BA 241 - Business Law II **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Applied Technology, A.A.S.

Major Code: 450

This program meets the needs of students currently in the workforce who would like to upgrade their skills and earn a degree. Students can select courses in a pathway aligned to industry careers or employers' needs. This degree would give students the flexibility to build their degree pathway to meet their career needs. The flexibility of the program would allow individuals to use previous coursework, possible PLA credit and courses offered at convenient times to minimize the roadblocks to achieving a technical degree. Employment pathways include industrial jobs that require technical aptitude including maintenance, manufacturing, troubleshooting and operations related positions.

Upon completion of the program, graduates will be able to:

- Effectively use both written and verbal communication skills in the workplace.
- Demonstrate knowledge of interpersonal skills and their application in the workplace.
- Apply principles of mathematics and science to contemporary issues in society and in the workplace.
- Utilize technical skills required in the specific occupational area.

The Technical Studies program generally has four components:

- General education core.
- Technical core.
- Technical specialty.
- And in addition, some programs have an on-the-job training component.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

CIP Code: 15.0699

A.A.S. General Education Requirements...15 Credits

[Click here for a list of courses that will fulfill this requirement.](#)

(must include one communication skills course and one computational skills course)

Technical Studies Requirements...6 Credits

- APT 103 - Safety Hazard Recognition **2 Credit(s)**

- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

Technical Specialty Electives...Minimum 27 Credits

May choose any courses from APT, MEC, PTRM, RAH, WELD

Electives...12 Credits

Can include classes from any discipline including additional technical electives.

Total Credits 60

Board of Governors, A.A.S.

Major Code: 445

The Board of Governors Associate in Applied Science degree program is a nontraditional, degree completion opportunity at the associate degree level specifically devised for adult learners to meet occupational goals or employment requirements, establish professional credentials, or achieve personal goals. This degree program provides the opportunity for adult learners to utilize credit for prior learning experiences via licenses, certificates, military credit, and other non-collegiate sources while assuring maximum credit transferability.

By completing this degree program, adult students can establish deserved credentials, achieve a personal sense of accomplishment, and position themselves for advancement into a baccalaureate program. The Board of Governors Associate in Applied Science degree increases educational access and degree opportunities for adults who have deferred or interrupted their educational plans. Such a program provides the base of the educational ladder for adults to accomplish the first level of educational advancement as well as develop the self-confidence and incentive to move toward the completion of a baccalaureate degree. The degree program is designed to articulate with the WV Board of Regents Bachelor of Arts Degree.

Curriculum-The Board of Governors A.A.S. requires 60 credit hours that include 15 credit hours of general education in the following areas: 3 credit hours of Communication, 6 credit hours of Mathematics/Science, 3 credit hours in Social Science/Humanities, and 3 credit hours in computer literacy. The additional 45 credit hours are general electives. An optional capstone experience and an optional defined area of emphasis encompassing a broad range of content areas may be included. The structure of the degree assures flexibility in program design to meet the individual needs of adult students. The required general education courses assure the development of essential skills and competencies necessary for an associate degree level graduate. The general electives, with the opportunity for a defined area of emphasis, allow students to demonstrate and document a defined occupational proficiency. Students are encouraged to explore various options for obtaining credit for prior learning experiences including course articulation, standardized exams, challenge exams, credential validation and portfolio credit. Students who choose to earn credit for college-level learning acquired through professional work experience or other life experiences must complete the portfolio development course and submit a portfolio. The portfolio provides the opportunity for equating documented, college level, experiential learning to college credit. College courses successfully completed at regionally accredited institutions may be transferred into the program and applied toward the 60 credit requirement.

A student may apply any or all methods of extra-institutional credit toward the completion of the Board of Governors A.A.S. degree. Further details can be obtained by contacting the Advising Center or the Dean of Academic Affairs.

Graduation Grade Point Average: 2.0

Residency Requirement: 12 credit hours from a regionally accredited higher education institution. A minimum of 3 credits required at the host institution. Petition for exception to the residency requirement may be made to the Chief Academic Officer of the host institution.

Academic Forgiveness: All F's earned in College courses earned four or more years before admission to program are disregarded from the computation of the graduation grade point average. The "F" grades will not be deleted from the transcript.

Grades and Grading: Grading will follow the institution's current grading policy.

Admission Requirements: Students are eligible for admission to the program two years after graduation from high school. In case of those passing a high school equivalency examination, admission must be two years after their high school class has graduated. **A student with a regionally accredited associate level or baccalaureate degree is excluded from admission to the Board of Governors Associate in Applied Science degree program.**

CIP Code: 240102

General Education Core Requirements (15 Credits)

Associate in Applied Science General Education Requirements

Communications (3 Credits)

Mathematics/Sciences (6 Credits)

Social Sciences/Humanities (3 Credits)

Computer Literacy (3 Credits)

General Electives (45 Credits)

Includes credit hours for optional area of emphasis, portfolio course, and capstone course.

WVROCKS CLASSES: In an effort to make college more accessible to all West Virginians, the West Virginia Remote Online Collaborative Knowledge System (WVROCKS) has been designed. WVROCKS classes can be used to fulfill requirements in this program. For more information, visit the WVROCKS website at <http://webhost-wp.wvnet.edu/wvrocks/>. Available courses can be found on Northern's academic schedule under the subject ROCK.

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Business Administration, Business Studies, A.A.S.

Major Code: 121

This option is designed for students who desire to explore the various opportunities available in business. The curriculum will provide a solid general business education and the necessary skills for graduates to enter the work force.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Implement the full accounting cycle for various types of organizations
- Market and promote products
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

Graduates of this program can expect to obtain employment in positions such as supervisors, accounts adjuster, operations manager, assistant managers, and customer service representatives.

Graduates can expect to be employed in government agencies, health care facilities, industrial and manufacturing plants, human resource departments, and entrepreneurs. According to the U.S. Labor Department, jobs in the business area rank in the top 10 for the next millennium.

Students who are planning to transfer to a four-year institution to obtain a bachelor's degree in Business Administration should take one of the following: the Business Administration Transfer Option, A.S. degree, the Business Administration 2+2 to WLU, A.S. degree, or the Business Administration, Pre-Business Studies 2+2 to WVU, A.A.S. degree. Students should contact an advisor from the transfer institution as soon as possible regarding transferability of specific courses.

Additional University Transfer Options:

- Completion of this program offers students the option of transferring to the following college to complete a four-year degree:
 - Robert Morris University
 - Franciscan University of Steubenville
 - West Virginia State University
 - West Liberty University

CIP Code: 520101

First Year

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 100 - Introduction to Business **3 Credit(s)**
Choose
- CIT 117 - Microsoft Applications **3 Credit(s)**
Or
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**

- BA 265 - Business Communications **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
Choose
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- BA 223 - Business Finance **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- MGT 250 - Principles of Management **3 Credit(s)**
- MGT 253 - Small Business Management **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 222 - Computerized Accounting **3 Credit(s)**
- BA 241 - Business Law II **3 Credit(s)**
- BA 275 - Entrepreneurship **3 Credit(s)**
- MKT 230 - Principles of Marketing **3 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Compressor Mechanic, A.A.S.

Financial aid eligibility pending

Major Code: 351

This program trains students to become Compressor Mechanics in the natural gas industry and other related industries. Students in this program will learn to troubleshoot, repair and maintain natural gas compressors.

1. Practice conventional industrial safety and communication
2. Perform compressor troubleshooting, repair, maintenance and operation
3. Explain natural gas compressor operating principles

4. Apply principles of mechanical, hydraulic, pneumatic and electrical systems to natural gas compressors and related equipment

ed equipment

CIP Code 47.0303

First Year

Fall Semester (15 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
CMEC 101 Basic Engine Operations **Credits / Units: 3**
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (15/16 Credits)

- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
CMEC 102 Intro to Gas Compressor Maintenance **Credits / Units: 3**
Credits / Units: 3
Choose
- MATH 101 - Intermediate Algebra **3 Credit(s)**
Or
- MATH 108 - College Algebra **4 Credit(s)**
Or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
CMEC 103 Advanced Gas Compressor Maintenance **Credits / Units: 3**
CMEC 104 Engine Operations and Systems **Credits / Units: 3**
- MEC 115 - Instrumentation I: Mechanical **3 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**

Spring Semester (15 Credits)

CMEC 105 Advanced Compressor Topics **Credits / Units: 3**

- CMEC 106 Advanced Engine Topics **Credits / Units: 3**
- CMEC 107 Compressor Package Operation & Troubleshooting **Credits / Units: 3**
- MEC 235 - Instrumentation II Electrical **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**

Total Credits (60/61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Computer Information Technology, Cyber Security, A.A.S.

Major Code: 339

This program is designed for those who want to work in the cyber security field of computer information technology.

In addition to General Education Outcomes, students should be able to:

1. Demonstrate competency in one of the following areas related to fundamental security concepts, including but not limited to operating systems, hardware and software applications.
2. Demonstrate understanding of various applications of secure computing.
3. Apply secure practices in various computing environments.
4. Apply problem-solving and critical thinking skills.
5. Troubleshoot security issues in computer applications.
6. Complete an internship in the field of cyber security.

According to the Bureau of Labor Statistics, U.S. Department of Labor, employment of information security analysts is projected to grow 37 percent from 2012 to 2022, much faster than average for all occupations. Demand for information security analysts is expected to be very high as these analysts will be needed to come up with innovative solutions to prevent hackers from stealing critical information or creating havoc on computer networks. Most information security analysts can work for computer companies, consulting firms, federal or state government agencies, or business and financial companies.

University Transfer Options:

- Completion of this program offers student the option of transferring to the following college to complete a four-year degree:
 - Robert Morris University

Job Titles: Software Developer, Software Designer, Applications Specialist, Network Administrator, Network Engineer

Employment Trends:

- West Virginia projected job market increase 24% by 2024 (Onet, 2018)
- Possible Certifications: COMPTIA N+, COMPTIA LINUX, Microsoft Office Specialist, CISCO CCENT

CIP Code: 111003

First Year

Fall Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- CIT 123 - A+ Hardware Essentials **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 142 - Networking Essentials **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- CIT 222 - Technology Ethics **3 Credit(s)**
- CIT 275 - Microsoft Server Administration and Virtualization **3 Credit(s)**
Choose
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- CIT 106 - Principles of Ethical Hacking **3 Credit(s)**
- CIT 184 - Network + Fundamentals of Networking **3 Credit(s)**
- CIT 235 - Introduction to Cloud Computing **3 Credit(s)**
- CIT 245 - Information Security Fundamentals **3 Credit(s)**
- CIT 250 - IT Analysis, Design, and Career Prep **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 219 - Secure Computer User **3 Credit(s)**
- CIT 255 - Cybersecurity Network Defense **3 Credit(s)**
- CIT 291 - CIT Internship and Certification **3 Credit(s)**

- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- Or
- PSYC 155 - Human Relations **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Computer Information Technology, Cyber Support, A.A.S.

Major Code: 356

This program provides students with the technical skills required for Microsoft application certification exams and end user support.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

1. Demonstrate competency in one of the following areas related to fundamental security concepts, including but not limited to operating systems, hardware and software applications.
2. Demonstrate competency in various business applications of computing including and not limited to end-user applications.
3. Apply problem-solving and critical thinking skills.
4. Troubleshoot issues in computer applications.
5. Complete an internship in the field of information technology.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Job Titles: Application Developer, Computer Consultant, Information Technology Analyst, Telecommunications Analyst, Help Desk Engineer, Help Desk Specialist

Wage and Employment Trends:

- \$29,000 Annual (Onet, 2018)
- Faster than Average Projected Growth (9% 2014-2024) (Onet, 2018)
- Certification Options: Microsoft Office Specialist, COMPTIA A+, COMPTIA LINUX

CIP Code: 110103

First Year

Fall Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- CIT 123 - A+ Hardware Essentials **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 107 - Excel **3 Credit(s)**
- CIT 112 - Access **3 Credit(s)**
- CIT 142 - Networking Essentials **3 Credit(s)**
- CIT 275 - Microsoft Server Administration and Virtualization **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15-16 Credits)

- CIT 160 - PowerPoint/Microsoft Publisher **3 Credit(s)**
- CIT 202 - Computer Support - Helpdesk/Applications **3 Credit(s)**
- CIT 250 - IT Analysis, Design, and Career Prep **3 Credit(s)**
Math Core Requirement 3-4 Credits*
Choose
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
Or
- PSYC 155 - Human Relations **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 219 - Secure Computer User **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- CIT 222 - Technology Ethics **3 Credit(s)**
- CIT 291 - CIT Internship and Certification **3 Credit(s)**
CIT Elective excluding CIT 117 **Credits / Units: 3**

Total Credits (60-61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

*Associate in Applied Science General Education Requirements

Computer Information Technology, Software Engineering, A.A.S.

Major Code: 179

This program prepares students with practical skills and knowledge for entry-level positions within the software engineering profession. Software engineering relates to the concept, design, implementation, deployment and maintenance of software. The program seeks to provide the theoretical fundamentals of software development coupled with an understanding and application of practical aspects and competencies required by industry. The program is designed to support innovation through the application of software engineering principles to solve business problems.

In addition to General Education Outcomes, upon completion of this program, students will be able to:

- Develop a broad foundation of various programming languages and platforms.
- Provide students with an understanding of software engineering principles.
- Instruct students in conceptualization, proposal development, database design, interface design, system architecture, documentation, presentation, and delivery.
- Develop, within students, an appreciation for the importance of excellent business and communication skills in a typical software engineering environment.
- Assist graduates in obtaining entry-level positions in the field of software engineering.

Graduates may work in software design, testing, maintenance and development, database administration, and web development. Graduates may also qualify for entry-level management positions in a technical capacity.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following college to complete a four-year degree:
 - Robert Morris University

Job Titles: Computer Consultant, Information Technology Analyst, Software Architect, Software Developer, Software Engineer, Technical Consultant.

Wage and Employment Trends:

- \$41,000-\$64,000 Annual (Onet, 2018)
- Much Faster than Average Projected Job Growth (12%) (Onet, 2018)
- Certification Option: Microsoft Office Specialist

CIP Code: 110103

First Year

Fall Semester (15 Credits)

- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- CIT 187 - HTML/CSS **3 Credit(s)**
- CIT 232 - Introduction to Programming Logic **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 176 - Visual Basic Programming **3 Credit(s)**
- CIT 185 - Database Design and SQL **3 Credit(s)**
- CIT 215 - JavaScript **3 Credit(s)**
- CIT 272 - Object Oriented Programming/Data Structures **3 Credit(s)**

Math Core Requirement 3 Credits ##

Second Year

Fall Semester (15 Credits)

- CIT 218 - Microcontrollers and IoT **3 Credit(s)**
- CIT 237 - Advanced Database Programming **3 Credit(s)**
- CIT 250 - IT Analysis, Design, and Career Prep **3 Credit(s)**
- CIT 256 - Collaborative Software Development **3 Credit(s)**
CIT Elective ##

Spring Semester (15 Credits)

- CIT 217 - Game Development Fundamentals **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- CIT 291 - CIT Internship and Certification **3 Credit(s)**
Choose
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
Or
- PSYC 155 - Human Relations **3 Credit(s)**
Choose
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Total Credits (60)

* Choose from any other CIT course except CIT 117.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Criminal Justice, A.A.S.

Major Code: 234

The Criminal Justice program is designed for students interested in pursuing a career in the legal professions such as law enforcement, corrections and private investigation. Students will learn how these professions integrate into a system of criminal justice. This program is offered in two formats allowing students to choose from the traditional on-campus experience or a completely online experience.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

- Analyze the impact of substantive and procedural case law on law enforcement, juvenile justice, and the correctional system.
- Employ information access and literacy skills in the research of Criminal Justice topics.
- Describe the internal operations of agencies on the local, state, and federal levels that comprise our nation's criminal justice system.
- Identify basic law enforcement investigative techniques, crime scene preservation and analysis techniques.
- Explain the development and implementation of Homeland Security and how this agency identifies and counteracts international threats and terrorism.
- Examine the current events and issues that law enforcement and the criminal justice system must deal with in today's society.
- Describe the rights of the accused from arrest to post conviction appeals, including how relevant agencies determine a balance between individual rights and social order.

Currently many graduates of the Criminal Justice program are employed in the West Virginia State Police and Ohio State Highway Patrol agencies as well as in various law enforcement agencies in the Upper Ohio Valley. Many graduates are working in the correctional field as correctional officers, adult and juvenile case workers and as treatment specialists both in the public and private domain.

Future employment opportunities, according to experts in the field of criminal justice, will continue to grow at the federal, state and local levels. New positions include computer analysts specializing in internet crimes, forensic technicians and criminal profilers.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following colleges to complete a four-year degree in Criminal Justice:

Franciscan University of Steubenville

Ohio University

Robert Morris University

Salem University

West Liberty University

First Year

Fall Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- CRJ 104 - Introduction to Criminal Justice Systems **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Restricted Elective **3 Credit(s) ##**

Spring Semester (15 Credits)

- CRJ 245 - Introduction to Juvenile Justice System **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
Or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- Restricted Elective **3 Credit(s) ##**

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
or
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- CRJ 201 - Introduction to Corrections **3 Credit(s)**
- CRJ 220 - Criminal Law **3 Credit(s)**
- CRJ 225 - Terrorism and Homeland Security **3 Credit(s)**
- CRJ 276 - Criminology **3 Credit(s)**

Spring Semester (15/16 Credits)

- CRJ 221 - Criminal Procedure **3 Credit(s)**
- CRJ 235 - Field Service **3 Credit(s)**
- CRJ 251 - Problems in Criminal Justice **3 Credit(s)**

- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 116 - Mathematics Appreciation **3 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**

Total Credits (61-62)

Choose from: CRJ 110, CRJ 115, CRJ 205, CRJ 209, CRJ 246, CRJ 230

IMPORTANT TRANSFER INFORMATION: For students who plan on transferring, MATH 108 or MATH 210 are recommended. Contact your advisor for specific requirements.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Culinary Arts, A.A.S.

Major Code: 322

The Culinary Arts Program, accredited by the American Culinary Federation, is designed to meet the demands for well-trained food service personnel with an emphasis on development of basic techniques of commercial food preparation. Exposure to many facets of food preparation as well as nutrition, sanitation, menu planning, and personnel management used by the professional culinarian are included in the program. Hands-on experience is a high priority in the laboratory classes, building a solid foundation of basic cooking skills. Upon completion of the program students can obtain employment as cook, baker, sous chef, kitchen manager or supervisor, lead cook in restaurants, hotels, catering operations and other food service organizations. The program provides students with the opportunity to meet the requirements for certification by the American Culinary Federation.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Prepare all types of meals using safe, sanitary and nutritional skills
- Use correct knife skills, kitchen equipment and kitchen related appliances
- Demonstrate customer service techniques
- Demonstrate skills in financial planning, menu planning
- Explain key laws and regulations for food service establishments
- Prepare for the entry level of certification in the American Culinary Federation

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Uniforms are required for CART 131, CART 145, CART 151, CART 159, CART 231, CART 240 and CART 241.

Job Titles: Back Line Cook, Banquet Cook, Breakfast Cook, Cook, Fry Cook, Grill Cook, Line Cook, Pastry Baker, Prep Cook

Wage and Employment Trends:

- \$23,900 Average Annual Salary (2020) in WV

- \$11.49 average per hour in WV
- 1180 Projected job openings between in WV (2018-2028)
- 237,200 Projected job openings in the US (2019-2029)

Wage and employment trends based on Department of Labor and ONET statistics.

CIP Code: 120503

First Year

Fall Semester (17 Credits)

- CART 121 - Food Service Sanitation and Safety **2 Credit(s)**
- CART 124 - General Nutrition **3 Credit(s)**
- CART 131 - Bakeshop **3 Credit(s)**
- CART 145 - Elements of Commercial Food Preparation and Service **3 Credit(s)**
- CART 159 - Basic Food Science **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

Spring Semester (16 Credits)

- CART 125 - Essentials of Dining Services **3 Credit(s)**
- CART 151 - Meat, Poultry and Seafood Preparation **3 Credit(s)**
- CART 175 - Advanced Food Science **3 Credit(s)**
- CART 251 - Culinary Internship **4 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- CART 223 - Personnel Supervision for the Hospitality Industry **3 Credit(s)**
- CART 235 - American Cuisines **3 Credit(s)**
- CART 240 - Garde Manger **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- SS - SS Core Requirement **3 Credit(s)**

Spring Semester (13 Credits)

- CART 231 - Pastry Preparation **3 Credit(s)**
- CART 241 - Classical Cuisines **3 Credit(s)**
- CART 245 - Menu, Purchasing and Cost Control **3 Credit(s)**
- CART 275 - Senior Seminar **1 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Total Credits (61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science degree listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Early Childhood: Care and Education (Paraprofessional Educator), A.A.S.

Major Code: 329

This program is designed for those who want to work with children from birth-adolescence. Graduates can be expected to fill paraprofessional or professional positions in private or public agencies that provide early care and/or education services. This program meets the requirements of the WV Department of Education's paraprofessional educator's certificate (available at <http://wvde.state.wv.us/policies>); therefore individuals with this degree should also be eligible for positions as teacher's aides in the public school system. It also fulfills the majority of requirements for Early Childhood Assistant Teachers in West Virginia and for employment in child care centers and independent pre-school programs.

Students who eventually plan to complete a bachelor's degree in a related field can use this degree as a foundation for transfer, but it is recommended that students who plan to complete a bachelor's degree before beginning employment consider completing additional requirements for an Associate in Arts 2+2 or transfer degree in Elementary Education, Secondary Education, or Early Childhood Education to maximize transferability of courses.

Students who eventually plan to complete a bachelor's degree in a related field can use this degree as a foundation for transfer, but it is recommended that students who plan to complete a bachelor's degree before beginning employment consider completing additional requirements for an Associate in Arts 2+2 or transfer degree in Elementary Education, Secondary Education, or Early Childhood Education to maximize transferability of courses.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

- Explain basic concepts, theories, and strategies used in early childhood care and education.
- Design and implement developmentally appropriate activities for children of different ages and ability levels in a childcare/educational setting
- Describe similarities and differences in the developmental milestones of infant, toddler, pre-school, and school - age children.
- Demonstrate professionalism and apply discipline-based ethics in childcare/educational settings by successfully completing an internship.
- Explain cultural, family, and individual influences on a child's development and service delivery.

Employment outlook is currently above average, but is dependent upon changing local, regional, and national needs. Salaries tend to be low-moderate for graduates, depending on location, type of facility, and the prospective employee's level of education and work experience. This program is designed to prepare individuals for entry-level positions in day care, preschools, and public school systems, or to prepare them for transfer to baccalaureate programs in early childhood education

NOTE: Two specialized programs which provide credit for credentials completed outside the college setting are available for students who possess either a U.S. Department of Labor Apprenticeship Certificate (ACDS) and/or a Child Development Associate (CDA) credential. (See Occupational Development, A.A.S. and Technical Studies, A.A.S. in the Center for Economic and Workforce Development section.) Contact an advisor for additional information.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following university to complete a four-year degree:
 - West Virginia University - BS in Child Development and Family Studies, Child Development Emphasis

Job Titles: Assistant preschool teacher, caregiver, childcare provider, teacher's aide (US Dept of Labor, 2017)

Wage and Employment Trends:

- \$18,000 to \$25,000 annually
- Average Projected Job Growth (2% job growth over the next seven years) (US Dept of Labor, 2017)

CIP Code: 131210

First Year

Fall Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**

Spring Semester (15/16 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- ECCE 214 - Child Observation and Assessment **3 Credit(s)**
- MATH - Restricted Mathematics Core **3(4) Credit(s) ***
- PSYC 208 - Developmental Psychology **3 Credit(s)**

- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s) #**

Second Year

Fall Semester (16/17 Credits)

- ECCE 212 - Child, Family, and Community **3 Credit(s)**
- ECCE 220 - Language and Literacy **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- SCI - Science Core Requirement **3(4) Credit(s) *****
- Restricted Elective **3 Credit(s) ##**

Spring Semester (15 Credits)

- ECCE 208 - ECCE Field Experience **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s) #**
or
- ENG 115 - Technical Writing **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Elective - can be any 3 credit college-level course **3 Credit(s)**

Total Credits (61-63)

Recommended choice for transferring students.

Choose one course from the following: ART 150, MUS 105, HIST 110 or HIST 111, MGT 250 or MGT 253, or SS 207.

* Restricted Math Core must be chosen from MATH 108#, MATH 210#, MATH 204 or MATH 205.

*** BIO 110, BIO 112, or BIO 113 are recommended.

** Before registering for the field experience, students must apply to and be accepted by an approved educational institution, or child care agency. There is also a class requirement of 2 hours every other week.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Electro-Mechanical Technology, A.A.S.

Major Code: 266

This program is designed to prepare individuals to be technicians in the exciting fields of electrical and mechanical maintenance, installation, trouble shooting and to work alongside engineers and technologists. The highly technological, integrated, and automated manufacturing facilities of today's modern workplace demand technicians with advanced training. Employers are looking for technicians who have strong interdisciplinary training and skillsets.

All of our technical courses have an extensive hands-on lab component as students learn skills in electrical systems, motor control, hydraulics and pneumatics, programmable logic controllers, instrumentation, workplace safety, problem solving and teamwork. These are the technical skills that employers are looking for in a technician.

As your understanding of the fundamentals grows, you will progress into more advanced courses such as: programmable controllers, pump & piping, instrumentation, and problem solving. As you advance through this program you will have the opportunity to choose an "Specialty/Emphasis On" program. This allows you to acquire more advanced training and skills in career option paths such as: Automation, Instrumentation, or Electrical Technologies. Or choose a Certificate of Applied Science in Industrial Maintenance, CAS or Energy Tech, CAS. Each of these career pathways have a set of core fundamental classes and then you will move into the chosen field of expertise. (Automation, Instrumentation or Electrical Technologies AAS.)

Upon completion of this program, graduates will be able to:

- Describe and recognize the various mechanical and electrical components used in modern industrial and manufacturing processes.
- Apply scientific and mathematical principles dealing with electrical, fluid power, and mechanical applications.
- Demonstrate hands-on troubleshooting skills on mechanical and electrical components used in modern industry and manufacturing processes.
- Demonstrate critical thinking skills for designing, installing, and maintaining mechanical and electrical systems.
- Communicate effectively using electrical and mechanical prints and other documentation.
- Develop professional skills through a work-based learning experience or simulation.

Job opportunities for technicians exist across a broad spectrum of industries. The petroleum, chemical, power generating, green energy, manufacturing, and fabricating industries are all looking for qualified employees.

CIP CODE: 15.0403

First Year

Fall Semester (14 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
Choose
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- MEC 115 - Instrumentation I: Mechanical **3 Credit(s)**
- MEC 140 - Programmable Controllers I **3 Credit(s)**
- PHYS 115 - Applied Physics **4 Credit(s)**

- PSYC 155 - Human Relations **3 Credit(s)**
or
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
- Restricted Core Elective* **3 Credit(s)**

Spring Semester (14 Credits)

- MEC 230 - Fluid Power Systems **3 Credit(s)**
- MEC 235 - Instrumentation II Electrical **3 Credit(s)**
- MEC 240 - Programmable Controllers II **3 Credit(s)**
- MEC 251 - Problem Solving & Teamwork Seminar **2 Credit(s)**
- Restricted Core Elective** **3 Credit(s)**

Total Credit (60)

*Choose from MEC 105 or APT 201 .

**Choose from APT 112 , APT 230 , or APT 240 .

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Energy Technology, A.A.S.

Major Code: 265

The Energy Technology program is designed to prepare students for employment in the natural gas drilling, gathering and field operations industry including Marcellus and Utica Shales and to give students a basic understanding of renewable energy technologies. The program provides a strong foundation in oil and gas exploration, production, including development in the Appalachian Basin. Students also learn about alternative energy technologies and their applications including geothermal, solar and wind. Laboratory classes include a strong emphasis on hands-on

experiences. Safe work practices are emphasized and several industry certifications are embedded within the curriculum.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Follow conventional industrial safety and communication practices
- Perform procedures and tasks commonly used in exploration for and production of oil and gas in the Appalachian Basin
- Explain considerations that go into natural gas processing
- Use various instruments and equipment to measure fluids, temperature, flows, and pressures
- Apply principles of hydraulic, pneumatic, and electrical systems to equipment in the energy industry
- Explain alternative energy technologies and applications

The program qualifies graduates for employment in such positions as field technicians, pumpers, drilling technicians, measurement technicians, compressor operations, and many others. As the energy transition continues, an understanding of alternative energy system operations will become increasingly important.

Job Titles: Board Operator, Gauger, Hydrotreater Operator, Outside Operator, Pumper, Unit Operator

Wage and Employment Trends:

- Median Wages (2016) \$27.15 hourly, \$56,470 Annual
- Employment (2016): 15,000 Employees
- Projected growth (2016-2026): Much faster than average (15% or higher)
- Potential Industry Credentials Earned: SafeLands USA, OSHA 30 hour General Industry completion card, CPR/First Aid, Compressor Basic Training, Well Control Awareness Training, FEMA Introduction to Hazardous Materials Training

CIP Code: 150903

First Year

Fall Semester (15 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- NRG 101 - Energy Transition Technology & Applications **1 Credit(s)**
- PTRM 104 - Production Technology with Hands-On Lab **3 Credit(s) ***

Spring Semester (15/16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

- MATH 101 - Intermediate Algebra **3 Credit(s)**
or
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- PTRM 150 - Drilling/Completion Operations **3 Credit(s)**

Second Year

Fall Semester (15/16 Credits)

- PSYC 155 - Human Relations **3 Credit(s)**
- PTRM 206 - Applied Chemistry for Petroleum with Hands-on Lab **4 Credit(s) ***
- PTRM 208 - Artificial Lift with Hands-on Lab **3 Credit(s) ***
- MEC 115 - Instrumentation I: Mechanical **3 Credit(s)**
or
- PTRM 217 - Petroleum Geology of Appalachia **2 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**

Spring Semester (15 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab **2 Credit(s) ***
- PTRM 210 - Introduction to Midstream Gas Operations **3 Credit(s) ***
- PTRM 211 - Well Control with Hands-on Lab **3 Credit(s) ***
- PTRM 213 - Gas Measurement with Hands-on Lab **2 Credit(s) ***
- PTRM 235 - Petroleum Technology Seminar **2 Credit(s)**
or
- PTRM 120 - Internship/Cooperative Work-Based Experience **2 Credit(s)**
- RAH 250 - Alternative Energy Concepts **2 Credit(s)**

Total Credits (60-62)

*Courses with a hands-on lab component

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Health Information Technology, A.A.S.

Major Code: 262

The Health Information Technology, A.A.S. is a selective admission program designed as a two program year one introduces the students to courses such as medical terminology, electronic health records, business math, anatomy and physiology, diagnostic and procedural medical coding, and reimbursement methodologies. The second year will delve deeper into the responsibilities of a health information management professional. Providing a deeper concentration of medical coding with intermediate and advanced medial coding courses. The curriculum provides a solid background in various aspects of health records management, collection and dissemination of health data, revenue cycle and reimbursement procedures, fraud and abuse, confidentiality and privacy, medical coding, informational governance, and statistical outcomes.

Program Outcomes:

- Demonstrate knowledge of entry-level procedures related to health information management, medical reimbursement, and the revenue cycle.
- Apply anatomy & physiology and medical terminology to medical billing and coding procedures.
- Demonstrate knowledge of data content, structure and information governance.
- Demonstrate knowledge of the legal process related application of HIPAA and to the access, use, disclosure, privacy and security of health care documentation.
- Demonstrate ability to utilize and analyze patient data, and demonstrate knowledge of revenue cycle management.
- Demonstrate leadership and organizational management skills.
- Demonstrate proficiency in the application of diagnostic and procedural coding to support reimbursement in multiple healthcare settings.

CIP Code: 510707

First Year

Fall Semester (14 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**
- MBC 100 - Revenue Cycle Management I **3 Credit(s)**

Spring Semester (16 Credits)

- AHS 108 - Disease Process Applications **3 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MBC 110 - Physician and Hospital Coding **3 Credit(s)**
- MBC 125 - Revenue Cycle Management II **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- HIT 100 - Introduction to Health Information Technology **2 Credit(s)**
- HIT 145 - HIT Professional Practice Experience (PPE) I **2 Credit(s)**
- HIT 150 - Health Record Documentation **3 Credit(s)**
- HIT 235 - Intermediate Medical Coding **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**

- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)** **

Spring Semester (14 Credits)

- HIT 240 - Quality Management and Performance Improvement **3 Credit(s)**
- HIT 260 - Advanced Medical Coding **3 Credit(s)**
- HIT 263 - Health Information Technology Seminar **2 Credit(s)**
- HIT 265 - HIT Professional Practice Experience (PPE) II **3 Credit(s)**
- SS - Social Science Core Elective **3 Credit(s)**

Total Credits (60)

**Students who plan to transfer to a four year institution should take SPCH 105.

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Human Services, A.A.S.

Major Code: 324

This program is designed for students who want to prepare for careers in human service agencies. It also is for employees of such agencies who wish to obtain new knowledge or skills. Students will use the knowledge and skills of the social sciences to learn more about human behavior, especially as it relates to assessing and designing interventions for maladaptive or problem behaviors in children, adolescents, adults and the elderly.

In addition to General Education Outcomes, students successfully completing and receiving a Human Services A.A.S. degree should be able to:

- Explain history, concepts, theories and strategies used in psychology & human services delivery systems.
- Explain issues related to the needs of different types of clients based on cultural, family, and individual factors.
- Demonstrate professionalism and apply discipline-based ethics in clinical settings by successfully completing an internship.
- Apply the skills, techniques, strategies, and abilities needed for assessing, treatment planning, and therapeutic communication with clients in individual or group settings
- Apply the skills and abilities needed to be objective, understanding, and empathetic toward individuals from diverse backgrounds and ability levels.

Graduates of this program can expect to be employed in human services agencies in positions which do not require bachelor's degrees as occupational, social skills or basic living skills trainers or assistants, as behavior specialists, as case aides or caseworkers, or as mental health or crisis intervention technicians. To become licensed social workers, certified addictions counselors or similar professionals, students with the associate degree will need to continue their education by earning more advanced degrees at other colleges or universities. Students who plan to complete a bachelor's degree before seeking employment should consider earning an Associate in Arts degree with a concentration in Human Services rather than an Associate in Applied Science degree in Human Services in order to obtain credits in more courses that will easily transfer to four-year institutions.

The employment outlook for these jobs currently is average to above average but is dependent upon changing needs within the local region, other regions and the nation.

Salaries are moderately low compared to other fields. Pay depends on the location and type of agency and on the prospective employee's level of education and work experience.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

Job Titles: Case Manager, Child Protective Services Worker, Family Protection Specialist, Family Service Worker, Youth Services Specialist, Direct Services Worker

Wage and Employment Trends:

- \$20,000 to \$28,000 (US Dept of Labor, 2017)
- 5% growth in the next seven years (US Dept of Labor, 2017)

CIP Code: 440701

First Year

Fall Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15-17 Credits)

- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- MATH - Restricted Math Core **3(4) Credits ***
- PSYC 200 - Abnormal Psychology **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- Restricted Elective **3 Credit(s) ##**
SCI - Science Core Requirement **3(4) Credit(s)***

Spring Semester (15 Credits)

- Elective - can be any college-level course **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s) #**
or
- ENG 115 - Technical Writing **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- HS 208 - HS Field Experience (Internship) **3 Credit(s) ****
- Restricted Elective **3 Credit(s) ##**

Total Credits (61-63)

#Recommended for transferring students

Choose 6 hours of restricted electives from: ART 256, CRJ 245, PSYC 155, PSYC 210, PSYC 218 or SS 207.

* Restricted math core should be chosen only from MATH 109, MATH 108 or MATH 210. Students who plan to transfer should take MATH 108 or MATH 210 to maximize transferability into bachelor's degree programs in social work or psychology.

** Before registering for the Field Placement, students must apply to and be accepted by an approved social services agency. There is also a class requirement of two hours every other week.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

LPN to RN Bridge, A.A.S. Program

MAJOR CODE: 247

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Allied Health Selection and Admission sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

The LPN to RN Bridge program is a hybrid/in seat program that focuses on the role development and transition of the LPN into the role of the RN. This program is aimed at LPNs who wish to further their education and earn an Associate Degree in Nursing (Nursing, A.A.S.) while continuing to work as a LPN.

The LPN to RN Bridge program starts in the summer semester with a 12-week LPN to RN Transition course, NUR 111. This is a demanding, fast-paced hybrid course which meets one day a week for 12 weeks for online didactic instruction with additional 45 hours of hands-on instruction in the lab, simulation and clinical settings. Students must be able to critically think and learn information in an accelerated manner. Once the student successfully completes the summer semester program of study requirements, the student will matriculate into the second year of the Associate Degree Nursing Program (See Nursing, A.A.S. catalog description). The LPN to RN Bridge Program incorporates courses such as anatomy and physiology, developmental psychology, microbiology, humanities and pharmacology in addition to the required nursing courses across the lifespan.

The LPN to RN Bridge program guides practice within the regulatory framework of professional, ethical, and legal responsibilities of the registered nurse and encourages lifelong learning. The program can be completed over three consecutive semesters. Faculty will use a variety of teaching strategies in the classroom, skills lab, clinical, and simulation lab to promote evidenced based practice and clinical judgement. Upon successful completion of the LPN to RN Bridge program and the achievement of an Associate Degree in Applied Science, the graduate will be able to apply for their RN licensure exam.

Pre-requisites for the program include ENG 101 and BIO 114 or BIO 220, an active unencumbered LPN license and a TEAS Test score of at least 58.

The Registered Nurse works to promote health, prevent disease, provide physical and emotional support to cope with illness and restore health. They provide direct patient care and are advocates and health educators for patients, families, and communities. Nurses are employed in the acute and long term care facilities or hospitals, physician office, home health, community, school, business, industry, and in private settings. They must be physically capable to spend considerable time walking and standing; be able to lift fifty pounds; and be required to mobilize quickly to respond to an emergency. Nurses need emotional stability and a caring philosophy in order to cope with human suffering, emergencies, and stress. Because patients in hospitals and facilities require 24-hour care, nurses in these institutions may work nights, weekends, and holidays.

End of Program Student Learning Outcomes

In addition to General Education Outcomes, graduates will be prepared to:

Human Flourishing Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.

1. Collaborate with the patient or designee to plan and provide nursing care that respects the patient's individual values and needs.

Nursing Judgment Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.

2. Generate safe and effective patient centered care using the nursing process.
3. Incorporate effective communication strategies to reduce risk and injuries in the health care environment.

Professional Identity Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.

4. Create caring relationships with patients and support systems consistent with the ANA Standards of Nursing Practice and the Code of Ethics.
5. Evaluate the utilization of health care system resources to efficiently and effectively manage care.

Spirit of Inquiry Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

6. Integrate current best practices to plan and implement safe and effective patient care.

Nursing education programs include classroom instruction, supervised and precepted clinical experience in hospitals and other health facilities, and community experiences. Students take courses in biological sciences, behavioral sciences, and liberal arts in addition to nursing courses. Students must complete the required nursing courses in the program on a continuous full-time basis within 2 years or a maximum of 3 years if an interruption in education continuum occurs. The program has a specific application, selection requirements, background and drug screening, standard of progress policies, requirement deadlines and abides by the WV State Board of Registered Nursing Education requirements for nursing education. Contact the Nursing Program Director for additional information. Upon the completion of this basic accredited nursing education and successful completion of the National Council Licensure Exam the student will apply to their selected state for license to practice.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Nursing Program Director.

CIP Code: 513801

Summer Semester (15/16 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
Or
- BIO 225 - AP Health Care II **4 Credit(s)**
- NURS 111 - LPN to RN Transition Course **6 Credit(s)**
- NURS 112 - Clinical Applications in Nursing Practice **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Fall Semester

- BIO 117 - Microbiology **4 Credit(s)**
- NURS 234 - Nursing Concepts of Health and Illness II **9 Credit(s)**

Spring Semester (15 Credits)

- NURS 245 - Professional Nursing and Health Systems Concepts **3 Credit(s)**
- NURS 244 - Synthesis of Nursing Concepts **9 Credit(s)**
Humanities Core Requirement ## 3 Credit Hours

Total Credits (61/62)*

*Approved Prior Learning Assessment accounts for 17-18 credits.

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to the General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements

Associate in Applied Science General Education Requirements

Medical Assisting, Clinical Medical Assistant, A.A.S.

Major Code: 161

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Admissions/Registration and Policies sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Students applying to the Clinical Medical Assistant program, must have successfully completed the Medical Assisting: Administrative Medical Assistant Certificate program.

Students selected for admission to the Clinical Medical Assistant Program will be trained in clinical procedures for entry-level employment in medical ambulatory care settings. Graduates are prepared for employment as "competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and effective (behavior) learning domains" as required in AAMA/CAAHEP accreditation standards. Campus lab preparatory experiences and a 160-hour supervised and unpaid practicum afford students the opportunity for observation and hands-on training in outpatient medical procedures within the scope of practice of the Medical Assistant.

Upon completion of the program, graduates will be able to:

- Graduates will be prepared as entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains through the administrative, clinical and general competencies as required by MAERB and taught by qualified faculty.
- Graduates will be prepared as multi-skilled medical assistants qualified to provide administrative services and clinical patient care while displaying professionalism during their interactions with the college community and practicum opportunities.

- Graduates will be prepared to complete required competencies and national certifications to become Certified Medical Assistants.
- Graduates will demonstrate general education outcomes specific to the program while displaying general abilities in communication, critical thinking, and problem solving as utilized in the medical assisting profession.

Occupations available for students completing program requirements include Certified Medical Assistant positions primarily in ambulatory care settings. According to the U.S. Department of Labor's Occupational Outlook, employment of medical assistants is projected to grow 23 percent from 2014-2024, much faster than the average for all occupations. Medical Assisting is projected to be one of the fastest growing occupations due to the increasing numbers of group practices, clinics, and other health care facilities, especially for multi-skilled medical assistants trained in both administrative and clinical duties.

The WVNCC Medical Assisting: Clinical Medical Assistant, A.A.S Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB). Commission on Accreditation of Allied Health Education Programs, 9355 - 113th St. N. #7709, Seminole, FL 33775, Phone: 727-210-2350, Fax: 727-210-2354 www.caahep.org. Graduates of this program can test for the Clinical Medical Assistant credential from the American Association of Assistants (CMA/AAMA).

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Health Science Program Director.

Job Titles: Clinical Medical Assistant, Certified Clinical Medical Assistant

Wage and Employment Trends:

- Annual Range Regionally \$22,000 to \$26,000 (Onet, 2017)
- Projected job growth nationally 262,100 (Onet, 2017)
- Certification Options: Clinical Medical Assistant (CMA) through American Association of Medical Assistants (AAMA) or Certified Clinical Medical Assistant (CCMA) through National Healthcareer Association (NHA)

CIP Code: 510801

First Year

Fall Semester (16 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- AHS 108 - Disease Process Applications **3 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MAS 150 - Introduction to Medical Administrative Procedures **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (14 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MAS 125 - Basic Diagnostic and Procedural Coding **2 Credit(s)**
- MAS 151 - Medical Financial Management **2 Credit(s)**
- MAS 153 - Medical Insurance and Reimbursement Methodologies **2 Credit(s)**

Second Year

Fall Semester (14 Credits)

- MAS 201 - Clinical Medical Assistant I **3 Credit(s)**
- MAS 202 - Clinical Medical Assistant Skills Lab **2 Credit(s)**
- MAS 220 - Medical Assisting Seminar I **3 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (16 Credits)

- MAS 210 - Clinical Medical Assistant II **3 Credit(s)**
- MAS 211 - Clinical Medical Assistant Practicum **4 Credit(s)**
- MAS 221 - Medical Assisting Seminar II **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Medical Laboratory Technology, A.A.S.

Major Code: 248

The Medical Laboratory Technology program prepares its graduates for employment in hospital, urgent care, physicians' office, research and industry laboratory settings. Examination and analysis of body fluids, tissues and cells play a crucial role in physician's ability to diagnose and treat disease. The medical laboratory technology program trains students to work in various areas of the clinical laboratory, including hematology, urinalysis, immunohematology (blood bank), microbiology, chemistry, and phlebotomy. Students collect blood samples, work with state of the art clinical laboratory instrumentation, perform clinical and microscope analysis of urine, cross-match blood for transfusion, identify abnormal blood cells under the microscope and identify infectious bacteria-causing infection in various body locations. Upon completion of the accredited program, graduates will possess an associate of applied

science degree and are eligible to take the American Society of Clinical Pathologists (ASCP) Board of Certification national certifying examination. Those passing the examination and certified as medical laboratory technicians (MLT-ASCP).

Program Learning Outcomes:

1. Interpret patient and quality control test results for normal, abnormal, and critical values and take appropriate follow up action when necessary.
2. Operate and maintain laboratory instrumentation in the Phlebotomy, Hematology, Immunohematology, Chemistry, Microbiology, Immunology/Serology, and Coagulation areas of the clinical laboratory.
3. Demonstrate the clinical significance of laboratory results in the diagnosis and treatment of disease.
4. Interpret and recognize the aspects of a laboratory quality assurance program.
5. Communicate sufficiently to meet the needs of the laboratory and patient care.
6. Successfully pass a National Certification Exam (ASCP) in Medical Laboratory Technician.

CIP Code: 51.1004

First Year

Fall Semester (15 Credits)

- BIO 220 - AP Health Care I **4 Credit(s)**
- MLAB 111 - Introduction to Clinical Laboratory Science **2 Credit(s)**
- MLAB 112 - Laboratory Analysis and Calculations **2 Credit(s)**
- MLAB 131 - Introduction to Hematology **2 Credit(s)**
- MLAB 132 - Urinalysis and Body Fluids **2 Credit(s)**
- MLAB 133 - Hematology I/Urinalysis Clinical Practicum **3 Credit(s)**

Spring Semester (14 credits)

- BIO 225 - AP Health Care II **4 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MLAB 135 - Advanced Hematology and Hemostasis **2 Credit(s)**
- MLAB 140 - Immunohematology Concepts and Procedures **2 Credit(s)**
- MLAB 145 - Hematology II and Immunohematology Clinical Practicum **3 Credit(s)**

Summer Semester (3 Credits)

- MATH 210 - Introduction to Statistics **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- CHEM 100 - Intro to General, Organic, and Biochemistry I **4 Credit(s)**
- MLAB 213 - Clinical Microbiology, Immunology, and Serology **9 Credit(s)**

Spring Semester (17 credits)

- CHEM 101 - Intro to General, Organic, and Biochemistry II **4 Credit(s)**
- MLAB 221 - Clinical Chemistry **10 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**

Total Credits (63)

Total Credits (63)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Nursing, A.A.S.

Major Code: 250

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Allied Health Selection and Admission sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

The Registered Nurse works to promote health, prevent disease, provide physical and emotional support to cope with illness and restore health. They provide direct patient care and are advocates and health educators for patients, families, and communities. Nurses are employed in the acute and long term care facilities or hospitals, physician office, home health, community, school, business, industry, and in private settings. They must be physically capable to spend considerable time walking and standing; be able to lift fifty pounds; and be required to mobilize quickly to respond to an emergency. Nurses need emotional stability and a caring philosophy in order to cope with human suffering, emergencies, and stress. Because patients in hospitals and facilities require 24-hour care, nurses in these institutions may work nights, weekends, and holidays.

End of Program Student Learning Outcomes

In addition to General Education Outcomes, graduates will be prepared to:

Human Flourishing Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.

1. Collaborate with the patient or designee to plan and provide nursing care that respects the patient's individual values and needs.

Nursing Judgment Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.

2. Generate safe and effective patient centered care using the nursing process.
3. Incorporate effective communication strategies to reduce risk and injuries in the health care environment.

Professional Identity Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.

4. Create caring relationships with patients and support systems consistent with the ANA Standards of Nursing Practice and the Code of Ethics.
5. Evaluate the utilization of health care system resources to efficiently and effectively manage care.

Spirit of Inquiry Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

6. Integrate current best practices to plan and implement safe and effective patient care.

Nursing education programs include classroom instruction, supervised and precepted clinical experience in hospitals and other health facilities, and community experiences. Students take courses in biological sciences, behavioral sciences, and liberal arts in addition to nursing courses. Students must complete the required nursing courses in the program on a continuous full-time basis within 2 years or a maximum of 3 years if an interruption in education continuum occurs. The program has a specific application, selection requirements, background and drug screening, standard of progress policies, requirement deadlines and abides by the WV State Board of Registered Nursing Education requirements for nursing education. Contact the Nursing Program Director for additional information. Upon the completion of this basic accredited nursing education and successful completion of the National Council Licensure Exam the student will apply to their selected state for license to practice.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Nursing Program Director.

Pre-requisites for the program include ENG 101 and a TEAS Test score of at least 58.

CIP Code: 513801

First Year

Fall Semester (14/15 Credits)

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
Or
- BIO 220 - AP Health Care I **4 Credit(s)**
- NURS 132 - Drug and Dosage Calculations I **1 Credit(s)**
- NURS 133 - Health Assessment and Diagnostics **2 Credit(s)**
- NURS 134 - Introduction to Nursing Concepts **8 Credit(s)**

Spring Semester (16/17 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
Or
- BIO 225 - AP Health Care II **4 Credit(s)**
- NURS 112 - Clinical Applications in Nursing Practice **3 Credit(s)**
- NURS 142 - Drug and Dosage Calculations II **1 Credit(s)**
- NURS 144 - Nursing Concepts of Health and Illness I **9 Credit(s)**

Second Year

Fall Semester (16 Credits)

- BIO 117 - Microbiology **4 Credit(s)**
- NURS 234 - Nursing Concepts of Health and Illness II **9 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Spring Semester (16 Credits)

- Humanities Core Requirement **## Credits / Units: 3**
- NURS 244 - Synthesis of Nursing Concepts **9 Credit(s)**
- NURS 245 - Professional Nursing and Health Systems Concepts **3 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Radiography, A.A.S.

Major Code: 148

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Admissions/Registration and Policies sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

The most familiar use of the x-ray is the diagnosis of broken bones. Today's radiologic technology includes the use of radiation for diagnostic and therapeutic procedures. Imaging techniques that use Ultrasound, Computerized Tomography, and Magnetic Resonance Imaging (MRI) are growing rapidly. Hospitals are the principal employers of radiologic technologists, but new opportunities now exist in clinics, physician offices and Diagnostic Imaging Centers. The United States Department of Labor, Bureau of Statistics indicates that employment for radiologic technologists is expected to grow faster than average through the year 2026.

The West Virginia Northern Community College Radiography Program Goals state that upon successful completion of the program, the graduate will...

1. Demonstrate the competency level & patient care skills & knowledge of an entry-level technologist.

2. Identify the core didactic concepts of an entry-level technologist.
3. Display abilities in critical thinking, & problem-solving skills necessary for professional practice.
4. Develop effective communication skills throughout their career.
5. Exhibit professional values & life-long learning.
6. Be an entry-level functioning technologist in the healthcare community.

*Academic Degree Requirement effective 2015 for primary certification - Eligibility requirements for American Registry of Radiologic Technologists (ARRT) certification in Radiography, Nuclear Medicine Technology, and Radiation Therapy and for the primary pathway to MRI and Sonography will - effective January 1, 2015 - call for candidates to have earned an associate (or more advanced) degree from an accrediting agency recognized by ARRT. ARRT believes that the general education courses required for an academic degree will provide a firm foundation to support the evolving role of the technologist and the lifelong learning necessitated by the increasing rate of technological change. Quantitative and communication skills and understanding of human behavior that are acquired through general education classes are believed by ARRT to have value in continuing to shape professionalism and advancement of a Registered Technologist's role in health care. The degree will not need to be in radiologic sciences, and it can be earned before entering the educational program or after graduation from the program.

** Successful completion of and graduation from the WVNCC Radiography Program will meet the academic degree eligibility requirements for the ARRT certification. WVNCC Radiography Program graduates do NOT have to attend a hospital-based certificate program to receive their A.A.S. degree in Radiography.

Go to www.arrt.org for further details.

Job Titles: Radiographer, Radiologic Technologist (RT), Radiological Technologist, Radiology Technologist, Staff Technologist, X-Ray Technologist, Computed Tomography Technologist (CT Technologist), Mammographer, Mammography Technologist.

Wage and Employment Trends:

- Average Salary \$32,000 (Onet, 2017)
- 8% Projected growth (Onet, 2017)
- Certification Options: ARRT (American Registry of Radiologic Technologists)

CIP Code: 510911

First Year

Fall Semester (16 Credits)

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)**
- RAD 100 - Introduction to Radiography **2 Credit(s)**
- RAD 105 - Radiography I **2 Credit(s)**
- RAD 110 - Radiation Protection/Radiobiology I **2 Credit(s)**
- RAD 115 - Clinical Fundamentals I **1 Credit(s)**
- RAD 120 - Radiography Procedures I **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- RAD 125 - Clinical Practice I **1 Credit(s)**
- RAD 155 - Radiography II **3 Credit(s)**
- RAD 160 - Radiation Protection/Radiobiology II **2 Credit(s)**
- RAD 165 - Clinical Fundamentals II **1 Credit(s)**
- RAD 170 - Radiography Procedures II **3 Credit(s)**

Summer Semester (1 Credits)

- RAD 175 - Clinical Practice II **1 Credit(s)**

Second Year

Fall Semester (14 Credits)

- RAD 195 - Clinical Practice III **1 Credit(s)**
- RAD 205 - Radiography III **3 Credit(s)**
- RAD 210 - Advanced Imaging Modalities **2 Credit(s)**
- RAD 215 - Clinical Fundamentals III **2 Credit(s)**
- RAD 220 - Radiography Procedures III **3 Credit(s)**

- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (14 Credits)

- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- RAD 225 - Clinical Practice IV **2 Credit(s)**
- RAD 255 - Radiography IV **2 Credit(s)**
- RAD 260 - Radiography Career Prep **3 Credit(s)**
- RAD 265 - Clinical Fundamentals IV **1 Credit(s)**
- RAD 270 - Radiography Procedures IV **3 Credit(s)**

Total Credits (61)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

Students wishing to pursue a bachelor's degree should take MATH 108 or MATH 210.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Radiologic Technology, Degree Completion, A.A.S.

Major Code: 254

West Virginia Northern offers an Associate in Applied Science Degree (AAS) for graduates of accredited Radiologic Technology programs. Students must have successfully completed a hospital-based certificate program* such as the OVMC Radiology Program, the former Wheeling Hospital Radiology Program, Washington Hospital Radiology Program, or any other Joint Review Committee on Education in Radiologic Technology (JRCERT) -accredited certificate program to be eligible to earn an AAS Degree by completing designated courses at West Virginia Northern.

The courses at WVNCC must be completed in addition to the certificate program in order to be eligible to sit for the American Registry of Radiologic Technologists (ARRT) primary certification exam in Radiography.

Students with an ARRT Certification are eligible to receive applicable program credits.

The most familiar use of the X-ray is the diagnosis of broken bones. Today's radiation technology includes the use of radiation for diagnostic and therapeutic procedures. Imaging techniques that use ultrasound, computerized tomography, and magnetic resonance imaging (MRI) is growing rapidly.

Hospitals are the principal employers of radiologic technologists, but new opportunities now exist in clinics, physician offices and Diagnostic Imaging Centers.

* Student must contact the hospital-based program to obtain information regarding specific admission requirements for each hospital-based program.

Please note: Eligibility requirements for ARRT certification in Radiography, effective January 1, 2015 require candidates to earn an associate (or more advanced) degree from an accrediting agency recognized by ARRT. ARRT believes that the general education courses required for an academic degree provides a firm foundation to support the evolving role of the technologist and the lifelong learning necessitated by the increasing rate of technological change. Quantitative and communication skills and understanding of human behavior that are acquired through general education classes are believed by ARRT to have value in continuing to shape professionalism and advancement of a Registered Technologist's role in health care.

For more information please contact the ARRT at www.arrt.org for further details.

CIP Code: 510911

Fall Semester (6 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (9 Credits)

- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)** #

Summer Semester (55 Credits)

Radiologic Technology (hospital-based)

Accredited Hospital-based programs begin in the summer.

Total Credits (70)

Choose from: MATH 108, MATH 115 or MATH 210.

Notes: Local hospitals accept applications during the fall and begin class in the summer. Please contact the hospital for specific timelines and admission requirements.

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Refrigeration, Air Conditioning and Heating Technology, A.A.S.

Major Code: 228

This is a program designed to provide the technical knowledge and skills required of persons employed in the air conditioning, heating and refrigeration businesses and industries. Students completing the program will be able to find employment in the areas of residential, commercial, and industrial air conditioning, heating and refrigeration installation, maintenance and service. Planned lectures and laboratory experiences parallel those activities performed by service technicians in the field and include installing and checking equipment, servicing and replacing major and minor components and troubleshooting and analysis of individual units and complete systems. Field trips to businesses and industries are an integral part of the program.

This program will give students a thorough and in-depth understanding of the technology as well as prepare them to make rapid transition into gainful employment.

Upon completion of this program, graduates will be able to:

- Test pressures and temperatures in a heating, air conditioning, or refrigeration system to troubleshoot system performance.
- Install heating, air conditioning, and refrigeration equipment pertaining to HVAC codes and regulations.

- Apply advanced principles of heating, air conditioning, ventilation, and refrigeration.
- Prepare students for a wide variety of careers in HVAC and refrigeration.
- Prepare students to interact effectively with customers.

Students will be prepared for current national and state certifications in the industry. WVNCC serves as a testing center for many of these certifications.

Job Opportunities: Graduates from this program can expect to obtain entry level employment in positions such as refrigeration and air conditioner installers and service technicians. Future career paths include dispatchers, service and installation managers, parts and equipment sales, building control technicians, facilities technicians and managers, and small business owners. Graduates are employed by refrigeration, air conditioning and heating service and installation contractors, facilities such as hospitals, colleges, and school districts, industrial plants, data centers, supermarkets, convenience stores, and restaurant chains, and trade unions.

Wage and Employment Trends:

- The employment outlook is excellent for this field of study with opportunities locally, regionally, and nationally.

CIP Code: 470201

First Year

Fall Semester (15 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- Or
- ENG 115 - Technical Writing **3 Credit(s)**
- RAH 100 - Basic Refrigeration I **3 Credit(s)**
- RAH 110 - HVACR Piping Skills **3 Credit(s)**

Spring Semester (15 Credits)

- MATH - Mathematics Core Requirements **3 Credit(s)##**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**
- RAH 102 - Refrigeration Controls **3 Credit(s)**
- RAH 209 - Forced Air Systems/Duct Layout **3 Credit(s)**
- RAH 235 - Comfort Cooling **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- APT 112 - Introduction to Welding **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- RAH 206 - Heating Systems I **3 Credit(s)**
- RAH 207 - Heating Systems II **3 Credit(s)**

- RAH 220 - Hydronics **3 Credit(s)**

Spring Semester (15 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
or
- PSYC 155 - Human Relations **3 Credit(s)**
or
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- RAH 250 - Alternative Energy Concepts **2 Credit(s)**
- RAH 260 - Certification Preparation **3 Credit(s)**
- RAH 265 - Commercial Refrigeration **3 Credit(s)**
- SPCH 101 - Interpersonal Communication **3 Credit(s)**

Total Credits (60)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Applied Science General Education Core Requirements

Respiratory Therapy (Seeking Provisional Accreditation)

Major Code:

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Respiratory therapists are employed in hospitals, skilled patient-care facilities, physician offices, home health agencies, free standing emergency departments, academic institutions and industry. The US department of Labor Bureau of Statistics indicates that employment for Respiratory therapist is expected to grow 13.2% faster than average through the year 2032 due to the substantial growth in the middle-aged and elderly population, which heightens the incidence of cardiopulmonary disease and the projected number of 90,000 practicing therapist expected to leave /retire from the profession by 2030.

The laboratory portions of the program, which reinforce concepts learned in lecture are held in our on-campus lab. Students have clinical experiences ranging from small community hospitals to large University hospitals, specialty rotations in the operating room, pulmonary function and sleep labs, and pulmonary rehab provide students with the knowledge and technical skills required of the Registered Respiratory therapist.

In addition to the General Education Outcomes, upon completion of this program, graduates will be able to:

Program Goal 1

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

(Cognitive): Upon completion of the program, students will evaluate clinical information relevant to their role as performed by a registered respiratory therapist.

This includes abilities to:

- a. Use cardiopulmonary anatomy, physiology and pathology to assess, treat, and care for patients with cardiopulmonary problems. (NBRC Matrix I A, B, C III D, E)
- b. Use respiratory therapy equipment according to standards and best practices. (NBRC Matrix II A, B, C)

(Affective): Upon completion of the program, students will demonstrate professional behaviors consistent with employer expectations as performed by registered respiratory therapists.

This includes abilities to:

- a. Communicate effectively with patients, physicians, and other members of the healthcare team. (NBRC Matrix III G-2)
- b. Actively participate in learning opportunities in the field of healthcare and to maintain licensure.
- c. Recognize human behavior, value systems, ethics, & cultures in healthcare.

(Psychomotor): Upon completion of the program, students will perform the technical skills required by registered respiratory therapists.

This includes abilities to:

- a. Apply the competencies in respiratory equipment operations, diagnostic testing, and respiratory modalities. (NBRC Matrix II A, B, C-3)
- b. Recognize life-threatening situations, administer necessary patient care, and maintain a patent airway. (NBRC Matrix III G)

Program Goal 2

To prepare the graduate to develop therapeutic goals of respiratory therapy basic care across the life span by:

- a. assessing patient subjective and objective data
- b. planning therapeutic interventions
- c. implementing the intervention

d. evaluating the intervention's effectiveness (NBRC Matrix III G)

Assess, plan, implement and evaluate basic patient care across the life span. (NBRC content matrix III, E)

Program Goal 3

To provide graduates to fulfill the employment needs of RC professionals within the local, regional, and national service area.

Produce sufficient numbers of graduates to fill the positions caused by turnover or expansion.

IMPORTANT INFORMATION: Additional costs are associated with this program such as physicals, vaccinations, titers, drug screening and background checks. If you have ever been convicted of a felony or misdemeanor for any reason, you may be denied employment, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

CIP Code 51.0908

First Year

Fall Semester (16 Credits)

- BIO 220 - AP Health Care I **4 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- RETH 101 - Introduction to Respiratory Therapy **4 Credit(s)**
- RETH 103 - Cardiopulmonary Pharmacology **2 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**

Spring Semester (15 Credits)

- BIO 225 - AP Health Care II **4 Credit(s)**
- RETH 104 - Clinical Practicum I **2 Credit(s)**
- RETH 105 - Basic Respiratory Therapeutics **4 Credit(s)**
- RETH 107 - Cardiopulmonary & Renal Anatomy & Physiology **5 Credit(s)**

Summer Term (5 Credits)

- RETH 106 - Clinical Practicum II **2 Credit(s)**
- RETH 109 - Cardiopulmonary Diagnostics & Rehabilitation **3 Credit(s)**

Second Year

Fall Semester (12 Credits)

- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- RETH 201 - Critical Care I **4 Credit(s)**
- RETH 203 - Cardiopulmonary Pathology **2 Credit(s)**
- RETH 204 - Clinical Practicum III **3 Credit(s)**

Spring Semester (12 Credits)

- RETH 205 - Critical Care II **4 Credit(s)**
- RETH 206 - Clinical Practicum IV **3 Credit(s)**
- RETH 207 - Respiratory Therapy Seminar **1 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

Substance Abuse Intervention Specialist, A.A.S.

Major Code: 396

The Substance Abuse Intervention Specialist AAS prepares students to work with people and families experiencing or affected by substance abuse problems and other co-occurring behavioral or mental health issues. Students will learn about working with clients, and acquire skills needed to apply the theories used in psychology, social work, and substance use disorders to help individuals and families recover from substance abuse & addiction and prevent relapse. A 2.0 GPA is required for acceptance into this program.

This degree allows students to complete a degree quickly to prepare to work in the field of substance abuse, social work, or mental health as soon as possible.

In addition to General Education Outcomes, students successfully completing and receiving an AAS degree in Substance Abuse Intervention Specialist should be able to:

- Apply the philosophies of Alcoholic's Anonymous and Narcotics Anonymous
- Explain history, concepts, theories and strategies used in psychology & human services delivery systems.
- Explain similarities and differences among psychoactive substances and their effects on the user
- Explain issues related to the needs of different types of clients with substance use disorders, including their impact on families and communities
- Demonstrate professionalism and apply medical, legal, and discipline-based ethics in clinical settings by successfully completing an internship.
- Apply the skills, techniques, strategies, and abilities needed for assessing, treatment planning, and therapeutic communication with clients in individual or group settings
- Apply the skills and abilities needed to be objective, understanding, and empathetic toward individuals from diverse backgrounds and ability levels.

Returning students who completed certain courses (HS 100, HS 101, HS 147, HS 150, HS 200, HS 210, BIO 114, AHS 103, AHS 110, HPE 110) more than 5 years prior to entering this program will be asked to repeat the course(s) to ensure that their knowledge & skills are current in the field.

Graduates of this program can expect to be employed in substance abuse treatment facilities or other human services agencies in positions which do not require bachelor's degrees as intervention specialists, prevention specialists, peer recovery support specialists, behavior specialists, case aides or caseworkers, or as mental health or crisis intervention technicians. To become a certified addictions counselor, social worker, or similar professional, students with the associate degree will need to continue their education by earning more advanced degrees at other colleges or universities.

This project is supported by a grant from the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant # T26HP394640100, "Opioid Impacted Family Support Program". This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government."

The employment outlook for these jobs currently is above average but is dependent upon changing needs within the local region, other regions and the nation.

Salaries are moderately low compared to other fields. Pay depends on the location and type of agency and on the prospective employee's level of education and work experience.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. A student who has been convicted of a felony or misdemeanor should contact the Program Director.

University Transfer Options:

- Completion of this program offers students the option of transferring to the following university to complete a four-year degree:
 - West Liberty University, BS, Social Work
 - West Virginia University - BS, Social Work
 - West Virginia University - BA, Mental Health & Addiction Studies

Job Titles: Prevention Specialist, Peer Support Specialist, Family Service Worker, Direct Services Worker, Mental Health Technician

Wage and Employment Trends:

- \$19,000 to \$28,000 (Ziprecruiter, 2020)
- 22% growth in the next four years (SAMHSA, 2019)

CIP Code: 51.1501

First Year

Fall Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**

- HS 205 - Human Services Seminar **1 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (12-13 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- Math Core Requirement* 3-4 Credit(s)
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- SA 100 - Peer Recovery Support Specialist (PRSS) Ethics **1 Credit(s)**
- SA 200 - Substance Abuse Practicum/Clinical Experience I **1 Credit(s)**

Summer Semester (2 Credits)

- SA 201 - Substance Abuse Practicum/Clinical Experience II **2 Credit(s)**

Second Year

Fall Semester (15-16 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 155 - Substance Abuse Treatment & Recovery **2 Credit(s)**
- Science Core Requirement 3-4 Credit(s)
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- CRJ Restricted Elective **3 Credit(s)#**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SA 204 - SA Field Experience (Internship) **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Total Credits (61-63)

*Students who eventually plan to transfer should take MATH 210 to maximize transferability into bachelor's degree programs in social work or psychology.

#CRJ elective should be chosen from: CRJ 245 or CRJ 246

**Before registering for the Internship/Clinical Experience III, students must apply to and be accepted by an approved social services agency. There is also a class requirement of two hours every other week.

IMPORTANT GRADUATION INFORMATION:ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education (Math/Science) Requirements

Associate in Applied Science General Education (Math/Science) Core Requirements

Surgical Technology, A.A.S.

Major Code: 257

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Admissions/Registration and Policies sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Surgical Technologists are experts in the theory and application of sterile and aseptic techniques. That, combined with knowledge of human anatomy, surgical procedures, and implementation tools and technologies, helps physicians perform invasive procedures. They provide surgical care under medical supervision, ensure operating rooms are safe, that equipment functions properly and that the operative procedure is conducted under conditions that maximize patient safety.

The laboratory portions of the program, which reinforce concepts learned in class, are held in our on-campus lab and in operating suites at area hospitals. Students have clinical experiences in hospitals and actively participate on operating room teams during surgery while clinical preceptors oversee their work.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Apply principles of asepsis and sterile technique.
- Demonstrate professionalism while providing care to diverse populations within the healthcare setting.
- Apply principles of perioperative case management to ensure safe and efficient surgical procedures.
- Demonstrate problem solving and critical thinking skills during surgical procedures.
- Successful completion of the National Certification for the Surgical Technologist.

Important information: Additional costs are associated with this program such as physicals, vaccinations, titers, drug screening and background checks. If you have ever been convicted of a felony or misdemeanor for any reason, you may be denied employment in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

Wage and Employment Trends:

- According to the Bureau of Labor Statistics, surgical technologists in West Virginia earn on an average \$49,710 per year.
- West Virginia has one of the highest concentrations of surgical technologists in the country.

CIP Code: 51.0909

First Year

Fall Semester (12 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ST 105 - Surgical Technology I **4 Credit(s)**
- ST 115 - Clinical Practice I **4 Credit(s)**

Spring Semester (17 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- ST 125 - Anesthesia/Pharmacology for the Surgical Technologist **3 Credit(s)**
- ST 150 - Surgical Technology II **4 Credit(s)**
- ST 155 - Clinical Practice II **4 Credit(s)**

Summer Semester (4 Credits)

- ST 180 - Clinical Experience **4 Credit(s)**

Second Year

Fall Semester (14 Credits)

- MATH core requirement **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- ST 200 - Surgical Technology III **4 Credit(s)**
- ST 210 - Clinical Practice III **4 Credit(s)**

Spring Semester (13 Credits)

- SPCH 101 - Interpersonal Communication **3 Credit(s)**
or
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- ST 250 - Surgical Technology IV **4 Credit(s)**
- ST 255 - Clinical Practice IV **4 Credit(s)**
- ST 260 - Surgical Technology Seminar **2 Credit(s)**

Total Credits (60)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to the General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Applied Science General Education Requirements

Welding Technology, A.A.S.

Major Code: 238

The Welding Technology program is designed to prepare individuals with advanced welding skills that make them ideal candidates for employment for a wide range of industrial settings. Students in the program will weld plate and pipe in various processes in all positions to American Welding Society (AWS) standards. All technical courses in the program provide extensive hands-on experiences. Students will have a broad based foundation in welding that includes Shielded Metal Arc Welding (SMAW), TIG welding and MIG welding. Safety, selection of proper equipment, selection of appropriate filler materials, and proper weld techniques are stressed throughout the curriculum. In addition, students will be trained in reading prints with welding symbols and will have a basic understanding of metallurgy and layout and fabrication.

The Welding Technology program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advanced standing and should confer with program faculty and/or advisors about processes to obtain advanced standing.

Upon completion of this program, graduates will be able to:

- Demonstrate safe practices in all welding activities.
- Demonstrate ability to read and apply welding prints and symbols.
- Perform basic processes of oxyacetylene welding and cutting
- Demonstrate ability to weld Fillet welds in all positions to AWS standards
- Demonstrate ability to weld Groove welds in all positions on plate and pipe to AWS standards.
- Apply basic understanding of metallurgy in performing welds and selecting appropriate processes and materials.
- Understand how to start and complete a fabrication project.

The employment outlook is currently above average at the regional, state, and national levels. Bureau of Labor Statistics (BLS) report an average annual salary of \$30,000 to \$80,000 for welder and \$55,000 to \$120,000 for Welding supervisors. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

Job Titles: Aluminum Welder, Fabrication Welder, Fabricator, FCAW Welder, Fitter/Welder, Maintenance Welder, GMAW Welder, GTAW Welder, SMAW Welder

Wage and Employment Trends:

- Wage Range: \$38,000 to \$80,000 annual (Onet, 2016)
- Projected Growth 5-9% (Onet, 2016)
- Certification Options: American Welding Society

CIP Code: 480508

First Year

Fall Semester (16 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- WELD 100 - Basic Weld Inspection **1 Credit(s)**
- WELD 102 - Basic Shielded Metal Arc Welding **3 Credit(s)**
- WELD 110 - Intermediate Shielded Metal Arc Welding **3 Credit(s)**

Spring Semester (16 Credits)

- APT 110 - Introduction to Print Reading **3 Credit(s)**
- HPE 110 - CPR and First Aid **1 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab **2 Credit(s)**
- WELD 112 - Advanced Shielded Metal Arc Welding **6 Credit(s)**

Second Year

Fall Semester (14 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**
- WELD 202 - Beginning MIG **3 Credit(s)**
- WELD 204 - Advanced MIG **3 Credit(s)**
- WELD 210 - Flux Core Welding **3 Credit(s)**
- WELD 215 - Metallurgy **2 Credit(s)**

Spring Semester (15 Credits)

- PSYC 155 - Human Relations **3 Credit(s)**
- WELD 206 - Beginning TIG **3 Credit(s)**

- WELD 208 - Advanced TIG **3 Credit(s)**
- WELD 220 - Layout and Fabrication **3 Credit(s)**
- WELD 225 - Downhill Pipe Welding **3 Credit(s)**

Total Credits (61)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Transfer

Business Administration Transfer Option, A.S.

Major Code: 104

This option is designed for students preparing for transfer to a four-year institution to complete work in professional areas of accounting, banking and finance, economics, general business, management, marketing, office administration or related business professions. Students should consult with their advisor regarding requirements.

In addition to general education outcomes, students successfully completing and receiving an A.S. degree under this program will be able to:

- Implement the full accounting cycle for various types of organizations
- Use quantitative reasoning to solve problems in the business and accounting fields
- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

In addition to the overall competencies of the Business Administration Program, upon completion of this program graduates will be able to transfer into a baccalaureate program.

CIP Code: 52.0101

First Year

Fall Semester (16 Credits)

- BA 100 - Introduction to Business **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
- SS - Social Science Core Requirement **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**

- ENG 102 - College Composition II **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** *
- SCI - Science Core Requirement (Life Science) **4 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (13 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- HUM - Humanities Core Requirement **3 Credit(s)**
- SCI - Science Core Requirement (Physical Science) **4 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**

Total Credits (60)

In addition, students who plan to transfer to West Virginia University must have at least a 2.5 GPA and should take MATH 279. However, MATH 279 is not eligible for financial aid in this program.

*Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Science Program listed below.

General Education Core Requirements

Associate in Science General Education Requirements

Community Education 2+2 to WLU, A.A.

Transfer to West Liberty University

Major Code: 335

Note: The "2+2" term is used to refer to a transfer agreement through which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all

students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. The term "2+2" does not imply a guarantee that a student will be able to complete all requirements in four years.

Students successfully completing this option will receive an A.A. degree from West Virginia Northern. Upon **successfully** completing the specified credit hours at West Liberty University, they will receive a B.A. degree in Community Education. The program is designed for students who have an interest in education that is not limited to "traditional teacher education" in the classroom and/or for students who are interested in the non-profit world. The program allows students to choose from 5 different majors, including: Community Arts, Disabilities Services, Outdoor Education, Sports, Recreation and Wellness, Teaching Education and Global Education. The program trains individuals to serve as educators or facilitators in a community-based setting and/or as non-profit administrators. Many of the courses in the Community Education program include field experiences in the local community and/or community based settings.

Students are encouraged to communicate and collaborate with individuals, groups, and institutions of the community on a local, national, and even international level through networking, service learning experiences, and experiential learning. Students are trained in how to serve the community through the non-formal education of children, adults, and communities through a broad set of course work.

Students successfully completing and receiving an A.A. degree under the 2+2 Community Education program with WLU should be able to:

- Demonstrate knowledge of human development, culture, and exceptionalities.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the 2+2 Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

Students are encouraged to meet with the Community Education Program Advisor at WLU early in their program of study at WVNCC to obtain information and advising concerning the program. Consult your WVNCC advisor for further information.

Note: Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. Students with questions about this should contact the Program Director.

CIP Code: 240101

First Year

Fall Semester (14/15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**

- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- Elective **2 Credit(s)** ++

Spring Semester (15 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** +
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- CIT 117 - Microsoft Applications **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- Restricted Elective **3 Credit(s)** ***
- Science Core Requirement **4 Credit(s)**
- Fine Arts Core Requirement **3 Credit(s)***

Spring Semester (15 Credits)

- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG - Literature Core Requirement **3 Credit(s)** **
- GEOG 205 - World Geography **3 Credit(s)**
- PSYC 155 - Human Relations **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (60-61)

* Choose from ART 150 or MUS 105

+ Choose from: HIST 100, HIST 101, HIST 110, HIST 111

++ Can be any course (minimum 2 credit hours) that is not already required in the program.

** Choose from ENG 200, ENG 201, ENG 210, ENG 211

*** Choose from MGT 250 or MGT 253

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education Core Requirements

Associate in Arts General Education Core Requirements

Education: Elementary Education, A.A.S. (Transfer to West Liberty University)

Major Code: 391

Note: This program is through a transfer agreement in which a student completes an Associate's degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this option will receive an A.A.S. degree from West Virginia Northern. Upon successfully completing the specified credit hours at West Liberty University, students will receive a B.A. degree in Elementary Education.

Students successfully completing and receiving an A.A.S. degree under the Elementary Education transfer agreement with WLU will be able to:

- Demonstrate knowledge of human development, developmentally appropriate practice, effects of family and culture on children, educational systems, and exceptionalities.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

To be admitted to the WLU program, students must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the students time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which includes direct instruction, simulations, and group discussions. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.

- It is recommended that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirements as outlined in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education and English faculty at WLU early in their program of study at WVNCC to obtain information and advising concerning the program.

Consult your WVNCC advisor for further information.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 131202

First Year

Fall Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST 110 - The United States to 1865 **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**

Spring Semester (17 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HIST 111 - The United States Since 1865 **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- ECCE 220 - Language and Literacy **3 Credit(s)**
- ENG - Literature Core Requirement* **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- MATH 204 - Mathematics for Elementary Teachers I **4 Credit(s)**
- MUS 105 - Music Appreciation **3 Credit(s)**

Spring Semester (13 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- MATH 205 - Mathematics for Elementary Teachers II **4 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (62)

A minimum of "C" is required in all courses to be used for transfer.

*Choose from ENG 200, ENG 201, ENG 210, or ENG 211.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Education: PK-5 Elementary Education, A.A.S. (Transfer to FUS)

Transfer to Franciscan University of Steubenville

Major Code: 390

Note: Under this transfer agreement, a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years.

Students successfully completing this option will receive an Associate in Applied Science degree from West Virginia Northern. Upon successfully completing the remaining specified credit hours at Franciscan University they will receive a Bachelor of Science Degree in Education, with eligibility for the initial Ohio teaching license upon successful completion of the educator preparation program. In addition to the WVNCC courses, applicants for admission to a Franciscan University Teacher Education program must meet the following criteria:

- Submit a transcript to Franciscan University verifying an overall grade point average of 2.5.*
- Successful completion of the PRAXIS CORE (reading, mathematics, & writing); (**Note: Students must provide evidence that they have passed all parts of the PRAXIS prior to acceptance & enrollment in classes in the Teacher Preparation Program. Students who do not pass the PRAXIS CORE are not eligible for licensure.**)
- Submit a written application for admission to teacher education to the Department of Teacher Preparation Programs.
- Submit two positive recommendations from faculty.
- Positive recommendation by the Education Unit faculty.

In addition to General Education Outcomes, students successfully completing and receiving an A.A.S. degree under the articulation agreement with Franciscan University's educator preparation program should be able to:

- Demonstrate knowledge of the history of the profession of education.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in education.
- Demonstrate knowledge of the major theories of human development.
- Demonstrate knowledge of the issues related to standards of the teaching profession.

- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the A.A.S. degree.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If a student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny the student employment or placement in certain settings, even if he or she has completed all academic requirements. If the student has ever been convicted of a felony or misdemeanor, he or she should contact the appropriate Program Director or Division Chair.

CIP Code: 131202

First Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** +
- HS 147 - Understanding Human Diversity **3 Credit(s)**

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (14 Credits)

- ECCE 220 - Language and Literacy **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- MATH 204 - Mathematics for Elementary Teachers I **4 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**

Spring Semester (16 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- ECCE 214 - Child Observation and Assessment **3 Credit(s)**
HUM - Humanities Core (Literature) **3 Credit(s) Credits / Units: 3**
- MATH 205 - Mathematics for Elementary Teachers II **4 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (61)

A minimum of a "C" is required in all courses for transfer.

+ Choose from: HIST 100 or HIST 101.

*** Choose from: ENG 200, ENG 201, ENG 210, or ENG 211.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Education: Pre-K, K Early Intervention, A.A.S. (Transfer to West Liberty University)

Major Code: 394

Note: This program is through a transfer agreement in which a student completes an Associate's degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this option will receive an A.A.S. degree from West Virginia Northern. Upon successfully completing the specified credit hours at West Liberty University, students will receive a B.A. degree in Elementary Education: Major: Early Intervention.

Students successfully completing and receiving an A.A.S. degree under the agreement with WLU in the Education: Pre-K, K Early Intervention program with WLU will be able to:

- Demonstrate knowledge of human development, developmentally appropriate practice, effects of family and culture on children, educational systems, and exceptionalities.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Applied Science degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.

- Acquire a cultural, artistic and global perspective.
- Demonstrate professional and human relations skills.

To be admitted to the WLU program, students must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the students time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which includes direct instruction, simulations, and group discussions. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.
- It is recommendation that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirement as outlines in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education faculty at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal backgrounds checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 131209

First Year

Fall Semester (16 Credits)

- ECCE 100 - Foundations of Education **3 Credit(s)**
- ECCE 212 - Child, Family, and Community **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Spring Semester (17 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- ECCE 220 - Language and Literacy **3 Credit(s)**
- HIST - History Core **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
- MUS 105 - Music Appreciation **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**

Spring Semester (12 Credits)

- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
- ECCE 214 - Child Observation and Assessment **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**

Total Credits (60)

A minimum of "C" is required in all courses to be used for transfer.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Arts Program listed below for acceptable core requirements.

General Education Core Requirements

Associate in Arts General Education Requirements

Education: Secondary Education, English Specialization, A.A. (Transfer to West Liberty University)

Major Code: 388

Note: This program is through a transfer agreement in which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this degree will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WLU, they will receive a Bachelor of Arts degree in Teacher Education (Secondary) with an English specialization.

Students successfully completing and receiving an A.A. degree under the agreement with WLU in the Teacher Education with an English specialization will be able to:

- Demonstrate knowledge of important literary works and writers and their relationship to historical and sociological events.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the concentration field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

In addition to the WVNCC courses, applicants for admission to the Teacher Education program at WLU must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the student's time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which is a twelve (12) field-based experience which includes direct instruction, simulations, and group discussions. Minimum grade of "C" is required. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.
- It is recommended that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirements as outlined in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education and English faculty at WLU early in their program of study at WVNCC to obtain information and advising concerning the program.

Consult your WVNCC advisor for further information.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

- HS 147 - Understanding Human Diversity **3 Credit(s)**
SS - Social Science Core Requirement*** **3 Credit(s)**

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- ENG 201 - American Literature Since the Civil War **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15 Credits)

- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG 200 - American Literature Through the Civil War **3 Credit(s)**
- HIST - History Core Requirement** **3 Credit (3)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**

Spring Semester (16 Credits)

- ENG 211 - English Literature Since the Eighteenth Century **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Total Credits (62-63)

A minimum of "C" is required for transfer.

**Choose from HIST 100, HIST 101, HIST 110, or HIST 111

***Choose from ECON 105 or SOC 125

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Education: Secondary Education, Social Sciences Specialization, A.A. (Transfer to West Liberty University)

Major Code: 389

Note: This program is through a transfer agreement in which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this degree will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WLU, they will receive a Bachelor of Arts degree in Teacher Education (Secondary) with a Social Sciences specialization.

Students successfully completing and receiving an A.A. degree under the agreement with WLU in the Teacher Education with a Social Sciences specialization will be able to:

- Demonstrate knowledge of the discipline in the social sciences and relevant historical, political, and sociological events.
- Demonstrate a readiness to enter a bachelor's degree program with appropriate commitment to attendance, initiative, organization and interest in the concentration field.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic and global perspective.
 - Demonstrate professional and human relations skills.

In addition to the WVNCC courses, applicants for admission to the Teacher Education program at WLU must:

- Have a 3.0 cumulative GPA or better.*
- Have earned at least a "C" in all courses to be used in transfer.
- Pass a professional skills test (Praxis I), which must be taken before the student can be admitted to Teacher Education, so it can be completed anytime after high school graduation, and/or during the student's time at WVNCC, over the summer, or early in the first semester at WLU.
- Pass a criminal background check.
- Have completed a 1 credit course through WLU (EDUC 100 - Introduction to Professional Education), which is a twelve (12) field-based experience which includes direct instruction, simulations, and group discussions. Minimum grade of "C" is required. It is recommended that transferring students plan to take this course during the summer prior to transferring to WLU if possible.
- It is recommended that students save samples of their work from several relevant classes at WVNCC for the portfolio they must submit when they are in their final year of the bachelor's degree at WLU.
- Meet all other requirements as outlined in the student policy manual at WLU.

*Although a cumulative of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor and members of the Teacher Education and English faculty at WLU early in their program of study at WVNCC to obtain information and advising concerning the program.

Consult your WVNCC advisor for further information.

Important Information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing board, licensing agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic

requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECCE 100 - Foundations of Education **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**

- HIST 100 - World Cultures I **3 Credit(s)**
or
- HIST 101 - World Cultures II **3 Credit(s)**

- HS 147 - Understanding Human Diversity **3 Credit(s)**

Spring Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
or
- ART 256 - Creative Expression in Art and Design **3 Credit(s)**
or
- MUS 105 - Music Appreciation **3 Credit(s)**

- ENG 102 - College Composition II **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (15-16 Credits)

- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- HIST 110 - The United States to 1865 **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**

ENG- English Elective *3 Credit(s) **Credits / Units: 3**

Spring Semester (14 Credits)

- ECON 105 - Principles of Microeconomics **3 Credit(s)**
 - GSC 100 - Science in the Contemporary World **4 Credit(s)**
 - HIST 111 - The United States Since 1865 **3 Credit(s)**
 - PSYC 218 - Exceptional Children **3 Credit(s)**
- General Elective**

Total Credits (60-61)

A minimum of "C" is required for transfer.

*Choose from: ENG 200, ENG 201, ENG 210, or ENG 211

**General Elective can be chosen from any course; However SS 255 is recommended for transfer.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Pre-Engineering, A.S.

Major Code: 246

This degree is designed to prepare engineering students by building foundational engineering skills. This program is to prepare qualified students to transfer into four year engineering programs.

Pre-Engineering outcomes:

1. Apply principles of engineering, science, and mathematics to identify, formulate, and solve complex engineering problems.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Make informed judgments based on ethical and professional responsibilities in engineering situations with consideration for the impact of engineering solutions in global, economic, environmental, and societal context.
4. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
5. Draw conclusions based on developing and conducting appropriate experimentation, analysis and interpretation of data and using engineering judgment.

CIP Code 140102

Semester One (15 Credits)

- CHEM 108 - General Chemistry I **4 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s) ***
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 110 - Pre-Calculus Mathematics **5 Credit(s)**

Semester Two (15 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- or

- CHEM 109 - General Chemistry II **4 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- ENGR 100 - Introduction to Engineering Applications **3 Credit(s)**
- MATH 279 - Calculus I **5 Credit(s)**

Semester Three (16 Credits)

- ENGR 101 - Engineering Problem Solving I **2 Credit(s)**
- MATH 280 - Calculus II **4 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
or
- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- PHYS 120 - Calculus-Based Physics I **4 Credit(s)**
- Humanities Core **3 Credit(s)**

Semester Four (16 Credits)

- CIT 222 - Technology Ethics **3 Credit(s)**
- CIT 232 - Introduction to Programming Logic **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENGR 102 - Engineering Problem Solving II **3 Credit(s)**
- MATH 281 - Calculus III **4 Credit(s)**
or
- PHYS 121 - Calculus-Based Physics II **4 Credit(s)**

Total Credits (62)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

NOTE: A grade of "C" or higher is required in all courses for transfer to some institutions.

*ECON 105 is required for the Industrial Engineering Track at WVU.

General Education Core Requirements

Associate in Science General Education Core Requirements

Psychology 2+2 to WU, A.A.

Transfer to Wheeling University

Major Code: 165

Note: The "2+2" term is used to refer to a transfer agreement through which a student completes an Associate degree at one institution and finishes a Bachelor degree at another institution. Due to individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in 2 (Associate) or 4 (Bachelor) years. The term "2+2" does not imply a guarantee that a student will be able to complete all requirements in 4 years.

Further, 2+2 articulation agreements contain very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not usually be considered or approved to allow a student to graduate under a 2+2 program.

Students completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WU, they will receive a Bachelor of Science Degree in Psychology.

In addition to the WVNCC courses, applicants for admission to WU need to have an overall grade point average of 2.3 and meet other admissions requirements of WU to be eligible under the 2+2 program.*

In addition to General Education Outcomes, students successfully completing and receiving an A.A. degree under the 2+2 agreement with WU Psychology should be able to:

- Demonstrate knowledge of the history of the field of psychology and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in psychology.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the psychology profession.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence needs and affect the delivery of psychological services.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization, and interest in the profession.

Students are encouraged to meet with a member of the Psychology faculty at WU early in their program of study at WVNCC to obtain information and counseling concerning the Psychology program.

Important Note: Students should be aware that the Bachelor of Arts degree in Psychology from WU does not qualify students for any kind of licensure. Students who are interested in becoming licensed social workers, licensed psychologists, or licensed professional counselors have to complete a Bachelor and/or Master's degree in a field that is license eligible. Consult with an academic advisor for questions related to this note.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST - History Core Requirement **3 Credit(s)** +
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)** *
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- Elective **3 Credit(s)** ++

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
or
- BIO 113 - Animal Biology **4 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- HUM - Fine Arts Core requirement **3 Credit(s)** **
- PSYC 210 - Child Development **3 Credit(s)**
- Elective **3 Credit(s)** ++

Spring Semester (15 Credits)

- HUM - Humanities Literature core requirement **3 Credit(s)** ***
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- PSYC 218 - Exceptional Children **3 Credit(s)**
- SS 255 - The Global Community **3 Credit(s)**

Total Credits (62)

* Minimum grade of "B" required for this course. For all other transfer courses, a minimum grade of "C" is required.

** Choose from: ART 150 or MUS 105.

*** Choose from: ENG 200, ENG 201, ENG 210, or ENG 211.

+ Choose from: HIST 100 or HIST 101

++ Although electives may be chosen from any three-credit course, recommended electives include: CIT 117, HS 147, HS 150, HS 210, or PSYC 155.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Psychology with Social Work, A.A. (Transfer to West Liberty University)

Major Code: 345

Note: This program is through a transfer agreement in which a student completes an Associate's degree at one institution and finishes a Bachelor's degree at another institution. Due to individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in two (Associate's) or four (Bachelor's) years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Important Note: Students should be aware that the Bachelor of Sciences degree in Psychology with a Social Work minor from WLU does not qualify students for any kind of licensure. Students who are interested in becoming licensed psychologists, or licensed professional counselors have to complete a Bachelor's and Master's degree in a field that is license eligible at the Master's degree level. Consult with an academic advisor for questions related to this note.

Students completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon completing the additional credit hours required at WLU, they will receive a Bachelor's of Science Degree in Psychology with a Social Work minor.

In addition to the WVNCC courses, applicants for admission to WLU need to have an overall grade point average of 2.0 and meet other program admissions requirements of WLU to be eligible for this program. Students must also complete a separate application for the Department of Psychology and fulfill other program admissions requirements. Students should consult with an advisor and members of the psychology faculty at the transfer institution to check on this and other requirements for admission to the baccalaureate program.*

Students successfully completing and receiving an AA degree under this agreement with WLU in Psychology should be able to:

- Demonstrate knowledge of the history of the psychology and social work profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in psychology and social work.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the psychology and social work professions.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization, and interest in the profession.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize information access and literacy skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the Program Director.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECON 105 - Principles of Microeconomics **3 Credit(s)**
- ENG 102 - College Composition II **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**

Spring Semester (15 Credits)

- HIST - History Core Requirement **3 Credit(s)***
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HUM - Humanities Restricted Elective **3 Credit(s)****
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**

- PSYC 200 - Abnormal Psychology 3 Credit(s)

Total Credits (62)

*Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

**Choose from: ART 150 or MUS 105

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Social Work 2+2 to FUS, A.A.

Transfer to Franciscan University of Steubenville

Major Code: 392

Note: This is a transfer agreement through which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete this degree in two (Associate's) or four (Bachelor's) years. It does not imply a guarantee that a student will be able to complete all requirements in four years.

Students completing this option will receive an Associate of Arts degree from West Virginia Northern. Upon being accepted to, and successfully completing the additional required credit hours at Franciscan University of Steubenville, they will receive a Bachelor Degree in Social Work (B.S.W.). Some of the 60 credit hours from WVNCC will transfer as equivalent courses, with the rest transferring as general electives.

In addition to the WVNCC courses, applicants for admission to FUS need to have an overall grade point average of 2.0 and meet other program admissions requirements of Franciscan University to be eligible under this program. Students must also make separate application to the Department of Social Work and fulfill other program admissions requirements.*

In addition to General Education Outcomes, students successfully completing and receiving an A.A. degree under the articulation agreement with Franciscan University's School of Social Work should be able to:

- Demonstrate knowledge of the history of the social work profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the social work profession.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence needs and affect the delivery of social services.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree.

- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate attendance, initiative, organization, and interest in the profession.

To be considered for acceptance into the Social Work program at FUS, the student must, at the end of their sophomore year, apply for formal admission into the Social Work program in addition to applying for general admission to FUS.

The prospective student must:

- Complete the application for admission to the Social Work program at FUS.
- Submit a resume.
- Submit two letters of reference.
- Complete a personal interview with a program faculty member.
- Fulfill any additional admissions requirements of FUS.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students, may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair at WVNCC or FUS.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HIST requirement **3 Credit(s)+**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**

Spring Semester (15 Credits)

- ENG literature requirement **3 Credit(s) ***
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Spring Semester (16 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- PSYC/HS elective **3 Credit(s) #**

Total Credits (62)

*Choose from ENG 200, ENG 201, ENG 210, or ENG 211

+Choose from HIST 100 or HIST 101

#Choose from HS 101, PSYC 200, PSYC 210, or PSYC 218

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Social Work 2+2 to Ohio University, A.A. (Financial Aid Eligibility Pending)

Transfer to Ohio University Eastern

Major Code: 399

Note: The "2+2" term is used to refer to a transfer agreement through which a student completes an Associate degree at one institution and finishes a Bachelor degree at another institution. Due to individual student factors, part-time or full-time status, need for developmental education coursework, scheduling and availability of courses, or other factors, all students may not be able to complete these degrees in 2 (Associate) or 4 (Bachelor) years. The term "2+2" does not imply a guarantee that a student will be able to complete all requirements in 4 years.

Further, 2+2 articulation agreements contain very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not usually be considered or approved to allow a student to graduate under a 2+2 program.

Students successfully completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon acceptance and successfully completing the remaining specified credit hours at Ohio University Eastern, they will receive a Bachelor in Social Work (B.S.W.) Degree, which produces graduates who are well prepared to enter the work force as generalist social work practitioners. Applicants for admission to Ohio University Eastern's social work program must meet the following criteria:

- Student has completed the Associate degree at WVNCC
- Submit a transcript to OUE verifying an overall grade point average with a minimum of 2.0. The Social Work Department requires a 2.5 in the major*Contact OUE's Social Work Program director and obtain additional forms and instruction for admission to the Social Work program early in their program at WVNCC
- Submit at least one or two recommendation forms by a current or past faculty member or employer
- Have completed a minimum of 20 hours of volunteer or paid work experience in the area of social work
- Complete and submit a written personal essay
- Complete and submit an application to the Social Work Program at OUE
- Schedule and complete an interview with the Social Work Program Director at OUE

Students successfully completing and receiving an A.A. degree under the articulation agreement with Ohio University Eastern's School of Social Work should be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems;
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/ human services and apply basic skills related to general education curriculum requirements for the Social Work A.A. degree;
- Utilize critical thinking skills;
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ART 150 - Art Appreciation **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
+++
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
+++
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
+++
- ENG 102 - College Composition II **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
+++

Second Year

Fall Semester (15 Credits)

- GEOG 205 - World Geography **3 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
+++
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 210 - Child Development **3 Credit(s)**
+++
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Spring Semester (14 Credits)

- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
+++
- MATH 108 - College Algebra **4 Credit(s)**
+++

Total Credits (60)

+++Ohio University - Eastern requires a "C" or better in these courses and reserves the right to evaluate whether these WVNCC courses meet all outcomes for equivalent courses in a major.

Social Work 2+2 to WVU, A.A.

Transfer to West Virginia University

Major Code: 393

Note: This is a 2+2 transfer agreement through which a student completes an Associate degree at WVNCC and finishes a Bachelor's degree at another institution. Because of individual student factors, part-time or full-time status, need for supplemental coursework, scheduling and availability of courses, or other factors, this agreement does not imply a guarantee that a student will be able to complete all requirements in four years.

Students completing this option will receive an Associate of Arts degree from West Virginia Northern. Upon being accepted and successfully completing the specified number of credit hours at West Virginia University, they will receive a Bachelor Degree in Social Work (B.S.W.). The majority of credit hours will transfer as equivalent courses, with the rest transferring as general electives.

In addition to the WVNCC courses, applicants for admission to WVU need to have an overall grade point average of 2.5*, 100 hours of documented relevant volunteer or work experience, submit a written personal statement and at least one letter of reference. Qualifying students will compete with other WVU students and transfers, and students must make application to WVU's office of admissions and the B.S.W. Program Coordinator no later than January 31 of the year they plan to matriculate to WVU.

Students successfully completing and receiving an A.A. degree under this 2+2 transfer agreement with West Virginia University's School of Social Work should be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/human services.
- Demonstrate knowledge of the major theories of psychology and human development.
- Demonstrate knowledge of the issues related to the ethical standards of the social work/human services professions.
- Demonstrate knowledge of the issues related to the needs and problems of different client populations.
- Demonstrate knowledge of how social, cultural, family, and individual factors influence needs and affect the delivery of social work/human services.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Social Work A.A. transfer degree.
- Apply knowledge and basic skills related to therapeutic communication and relationships in social work.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Program Director or Division Chair.

CIP Code: 240101

First Year

Fall Semester (15 Credits)

- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**

Spring Semester (16-17 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- HUM - Humanities requirement **3 Credit(s) *****
- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 210 - Introduction to Statistics **3 Credit(s)**

- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)** **

Second Year

Fall Semester (16 Credits)

- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SCI - Science Core Requirement **4 Credit(s)** **
- Restricted Elective **3 Credit(s)** #

Spring Semester (13 Credits)

- HIST - History Requirement **3 Credit(s)**+
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- Restricted Elective **3 Credit(s)** #
- Elective **1 Credit(s)** ##

Total Credits (60-61)

** Choose from: BIO 110, CHEM 108, CHEM 109, PHYS 104 or PHYS 105.

*** Choose from: ART 150 or MUS 105

+ Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

Restricted electives: choose from HS 101, HS 150, HS 200, or SS 207 (SS 207 fulfills a minority studies requirement at WVU.)

Elective can be chosen from any college-level course (100 level and above)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Social Work, A.A. (Transfer to West Liberty University)

Major Code: 346

Note: This program is through a transfer agreement in which a student completes an Associate's degree at one institution and finishes a Bachelor's degree at another institution. Due to individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors, all students may not be able to complete these

degrees in two (Associate's) or four (Bachelor's) years. There is no guarantee that a student will be able to complete all requirements in four years.

Further, this articulation agreement contains very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not be considered or approved.

Students successfully completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon successfully completing the additional credit hours required at WLU, they will receive a Bachelor of Social Work (BSW) degree, and may be eligible to sit for the Social Work licensure exam.

Students successfully completing and receiving an A.A. degree under the transfer agreement with West Liberty University's School of Social Work will be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/human services.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization, and interest in the profession.
- Demonstrate adequate knowledge and skills related to general education curriculum requirements for the Associate in Arts degree, including the ability to:
 - Communicate effectively in oral and written formats.
 - Demonstrate critical thinking and problem-solving skills.
 - Employ or utilize access and literacy skills.
 - Acquire a cultural, artistic, and global perspective.
 - Demonstrate professional and human relations skills.
 - Utilize critical thinking skills.

In addition to the WVNCC courses, applicants for admission to WLU need to have an overall grade point average of 2.5 and meet other program admissions requirements of WLU to be eligible for admission under the transfer program. Students must also complete a separate application for the Department of Social Work and fulfill other program admission requirements (below). Students are encouraged to meet with a member of the Social Work faculty at WLU early in their program of study at WVNCC to obtain information and counseling concerning transferring to the BSW program.*

Applicants for admission to West Liberty University's school work program must also meet the following criteria:

- Submit a transcript to WLU verifying an overall grade point average with a minimum of 2.0. The Social Work Department requires a 2.5 in the major.
- Contact WLU's Social Work Program and obtain WLU's Social Work Student Program Manual, which will provide additional forms and instruction for admission to the Social Work program.
- Submit at least one recommendation form by a current or past faculty member or employer.
- Complete and submit a written personal statement entitled "Why I Want to be a Social Worker", as outlined in WLU's Social Work Program Manual.
- Complete and submit an application to the Social Work Program at WLU.
- Schedule and complete an interview with the Social Work Program Director at WLU.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential

employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. A student who has been convicted of a felony or misdemeanor should contact the Program Director.

CIP Code: 440701

First Year

Fall Semester (15 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- HUM - Humanities Core Requirement (Fine Arts) **3 Credit(s)***
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (15 Credits)

- ENG 102 - College Composition II **3 Credit(s)**
- GEOG 205 - World Geography **3 Credit(s)**
or
- POLS 102 - American National Government and Politics **3 Credit(s)**
- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- PHIL 200 - Introduction to Philosophy **3 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**

Second Year

Fall Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Spring Semester (15 Credits)

- HIST - History Core Requirement **3 Credit(s)****
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- MATH 210 - Introduction to Statistics **3 Credit(s)**
- PSYC 200 - Abnormal Psychology **3 Credit(s)**

Total Credits (61)

*Choose from ART 150 or MUS 105

** Choose from HIST 100, HIST 101, HIST 110, or HIST 111

West Liberty University requires a "C" or better in all transfer courses and reserves the right to evaluate whether WVNCC courses meet all outcomes for equivalent courses in a major.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See with your advisor to determine if you have met this requirement.

Social Work/Pre-Social Work Transfer to BC, A.A.

Transfer to Bethany College

Major Code: 167

Note: This articulation transfer agreement allows a student to complete an associate degree at WVNCC and finish their Bachelor's degree at Bethany College. Individual student factors, part-time or full-time status, scheduling and availability of courses, or other factors may affect the time it will take a particular student to complete all requirements.

The articulation agreements contain very specific requirements which have been agreed upon and approved by the administration and faculty at both institutions. Because of this, petitions for course substitutions will not usually be considered or approved to allow a student to graduate under an articulation agreement program.

Students completing this option will receive an Associate in Arts degree from West Virginia Northern. Upon completing the remaining specified credit hours at Bethany College, they will receive a Bachelor in Social Work (B.S.W.) Degree. In addition to the WVNCC courses, applicants for admission to Bethany's social work program must meet the following criteria:

1. Submit a transcript to Bethany College verifying an overall grade point average of 2.0.*
2. Obtain Bethany College's Social Work Student Handbook
3. Submit an application and all related documents to the Social Work Program Director by May 1
4. Submit at least one recommendation form by a current or past faculty member or employer
5. Complete and submit a criminal background check
6. Complete and submit a written personal statement entitled, "Why I Want to be a Social Worker"
7. Provide proof of completion of a 50-hour service learning experience (the WVNCC Human Services internship will fulfill this requirement)
8. Schedule and complete an interview with the Social Work Program Director at Bethany College

In addition to General Education Outcomes, students successfully completing and receiving an A.A. degree under the articulation agreement with Bethany College's School of Social Work should be able to:

- Demonstrate knowledge of the history of the "human services/social work" profession and the evolution of its various delivery systems.
- Demonstrate knowledge of the basic concepts, theories, and strategies used in social work/ human services and apply basic skills related to general education curriculum requirements for the Social Work A.A. degree.
- Utilize critical thinking skills.
- Demonstrate a readiness to enter a bachelor degree program with appropriate commitment to attendance, initiative, organization and interest in the profession.

*Although a cumulative GPA of 2.0 meets requirements for graduation at WVNCC, students who do not meet the GPA (or other special) requirements at the transfer institution for admission to this baccalaureate program may not be admitted to the program until they are able to meet those requirements. Students should consult with an advisor at the transfer institution early in their program to check on this, and other requirements for admission to the baccalaureate program.

Important information: If a prospective student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. If a student has ever been convicted of a felony or misdemeanor, he/she should contact the appropriate Program Director or Division Chair.

CIP Code: 240199

First Year

Fall Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
- HPE 105 - Personal Fitness **1 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- MUS 105 - Music Appreciation **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**
- SPCH 105 - Fundamentals of Speech Communication **3 Credit(s)**

Spring Semester (16 Credits)

- BIO 110 - Principles of Biology **4 Credit(s)**
- PSYC 208 - Developmental Psychology **3 Credit(s)**
- SOC 125 - Introduction to Sociology **3 Credit(s)**
- HIST Core Requirement **3 Credit(s)** **
- Elective **3 Credit(s)**

Second Year

Fall Semester (15/16 Credits)

- HS 147 - Understanding Human Diversity **3 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- MATH - Mathematics Core Requirement **3(4) Credit(s)** *
- POLS 102 - American National Government and Politics **3 Credit(s)**
- SS 207 - West Virginia and the Appalachian Subculture **3 Credit(s)**

Spring Semester (14 Credits)

- GSC 100 - Science in the Contemporary World **4 Credit(s)**
- HPE 100 - General Program in Physical Education **1 Credit(s)**
or
- HPE 101 - General Program in Physical Education **1 Credit(s)**
- HS 200 - Social Welfare Institutions **3 Credit(s)**
- HS 208 - HS Field Experience (Internship) **3 Credit(s)**

- HUM - Humanities Core Requirement **3 Credit(s)** ***

Total Credits (61-62)

* Choose from: MATH 108 or MATH 210.

** Choose from: HIST 100, HIST 101, HIST 110, or HIST 111

*** Choose from: ENG 200, ENG 201, ENG 210, ENG 211, ENG 225, or ENG 226

NOTEL Bethany College requires a "C" or better in all courses and reserves the right to evaluate whether these WVNCC courses meet all outcomes for equivalent courses in a major. Recommended courses for additional transfer credits include, but are not limited to: CRJ 104, CRJ 110, CRJ 201, CRJ 220, CRJ 225, CRJ 245, HS 150, PHIL 200, PSYC 200, PSYC 218.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Certificate

Air Conditioning, C.A.S.

Major Code: 220

This is a program designed to provide the technical knowledge and skills required of persons employed in the air conditioning industry. Students completing the program will be able to find employment in the areas of residential and commercial air conditioning, installation, maintenance and service.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

1. Demonstrate scientific and engineering principles to cooling processes.
2. Create an estimate for a customer for a residential installation.
3. Plan and design piping projects.
4. Design a proper duct system.
5. Install comfort cooling equipment.

CIP CODE: 15.0501

Fall Semester (15 credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- ENG 115 - Technical Writing **3 Credit(s)**
- RAH 100 - Basic Refrigeration I **3 Credit(s)**

- RAH 102 - Refrigeration Controls **3 Credit(s)**
- RAH 110 - HVACR Piping Skills **3 Credit(s)**

Spring Semester (15 credits)

- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- MATH 101 - Intermediate Algebra **3 Credit(s)**
or
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**
- RAH 209 - Forced Air Systems/Duct Layout **3 Credit(s)**
- RAH 235 - Comfort Cooling **3 Credit(s)**

Total: 30 credits

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Business Office, Business Career Studies, C.A.S.

Major Code: 156

Students selecting the Business Office option will be given training in word processing, transcription, spreadsheet applications, and office procedures which are essential in providing the administrative support in today's office environment.

In addition to General Education Outcomes, upon completion of the Business Office option, graduates will be able to:

- Create business documents using word processing software.
- Produce mailable documents from dictated materials.
- Create business documents using spreadsheet and database software.
- Integrate electronic office/business skills with decision-making skills.
- Compose various types of business correspondence applying appropriate writing techniques, accurate spelling, correct punctuation, and proper grammar.
- Demonstrate a knowledge of records management principles and filing procedures in maintaining business documents.

Occupations available for students completing program requirements include the following: general office clerk, office support clerk, transcriptionist, word processor, file clerk, receptionist, and information clerk.

Graduates may expect to obtain entry-level employment in insurance firms, banks, law offices, medical offices, and industrial offices.

Students completing the competencies in the following courses should be prepared to pursue Microsoft Office Specialist (MOS) certification in the following area:

- Microsoft Word I - Microsoft Certified Application Specialist: Microsoft Office Word.

Microsoft Office Specialist (MOS) certification is possible in this program area. Employment possibilities are much higher with certification in specific software applications.

CIP Code: 520401

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
or
- MGT 250 - Principles of Management **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (15 Credits)

- ACC 123 - Principles of Accounting II **3 Credit(s)**
- BA 265 - Business Communications **3 Credit(s)**
- BA 241 - Business Law II **3 Credit(s)**
or
- MKT 230 - Principles of Marketing **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- CIT 112 - Access **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Compressor Mechanic, C.A.S.

Financial aid eligibility pending

Major Code: 350

This program trains students to become Compressor Mechanics in the natural gas industry and other related industries. Students in this program will learn to troubleshoot, repair and maintain natural gas compressors.

1. Practice conventional industrial safety and communication
2. Perform compressor troubleshooting, repair, maintenance and operation
3. Explain natural gas compressor operating principles
4. Apply principles of mechanical, hydraulic, pneumatic and electrical systems to natural gas compressors and related equipment

CIP Code 47.0303

Fall Semester (15 Credits)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
CMEC 101 Basic Engine Operations **Credits / Units: 3**
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (15-16 Credits)

- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
CMEC 102 Intro to Gas Compressor Maint. **Credits / Units: 3**
Choose
- MATH 101 - Intermediate Algebra **3 Credit(s)**
Or
- MATH 108 - College Algebra **4 Credit(s)**
Or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Total Credits (30-31)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Computer Information Technology A+ Computer Repair, C.A.S.

Major Code: 355

This program will provide students with short-term training to obtaining entry-level positions in computer and/or business offices. Graduates can obtain entry-level employment in a variety of firms that require technical computer repair and services.

Students in the Computer Information Technology, CAS A+ Computer Repair option will receive hands-on training using Windows, computer hardware upgrading, and network installation.

Upon completion of this program, graduates will be able to:

- Apply features and commands of various operating systems.
- Apply Learn the fundamentals of networks.
- Use Learn the basic operating system functions of Linux.
- Troubleshoot computer problems related to disks and files accurately.

- Perform a network installation and interface of hardware components.
- Apply Learn principles of building, repairing, and upgrading computers.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Job Titles: Computer repair technician, PC operator, Helpdesk technician, End-user support specialist

Wage and Employment Trends:

- \$29,000 Annual (Onet, 2018)
- Certification Options: Microsoft Office Specialist, COMPTIA A+, COMPTIA N+, COMPTIA LINUX

CIP Code: 110103

Fall Semester (15 Credits)

- CIT 105 - Operating Systems **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- CIT 123 - A+ Hardware Essentials **3 Credit(s)**
- CIT 202 - Computer Support - Helpdesk/Applications **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**

Spring Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
- CIT 142 - Networking Essentials **3 Credit(s)**
- CIT 184 - Network + Fundamentals of Networking **3 Credit(s)**
- CIT 220 - Unix/Linux **3 Credit(s)**
- MATH - Mathematics Core Requirement **3 Credits(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Computer Information Technology, Microsoft Applications, C.A.S.

Major Code: 360

This program will provide students with short-term training to obtain entry-level positions in computer and/or business offices.

Students in the Microsoft Applications, C.A.S, will receive hands-on training using Excel, PowerPoint, Word and Publisher. Occupations available for students completing program requirements include the following: software applications user, help desk technician and end user support. Graduates can obtain entry-level employment in a variety of firms that require an expertise in using Microsoft applications. The program also prepares the students for the MOS Certification exams.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

In addition to General Education Outcomes, transfer students should be able to:

- Use and apply features and commands of various operating systems.
- Develop complex spreadsheets with Excel.
- Develop presentations with PowerPoint.
- Develop documents in Publisher.
- Develop documents in Word.
- Troubleshoot Microsoft Office problems.

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the college catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Job Titles: Applications Developer, Computer Consultant, Information Technology, Telecommunications Analyst, Help Desk

Wage and Employment Trends:

- \$29,000 Annual (Onet, 2018)
- Certification Options: Microsoft Office Specialist

CIP Code: 110103

Fall Semester (15 Credits)

- CIT 101 - Introduction to Cyber Security **3 Credit(s)**
 - CIT 105 - Operating Systems **3 Credit(s)**
 - CIT 120 - Microsoft Word I **3 Credit(s)**
 - CIT 123 - A+ Hardware Essentials **3 Credit(s)**
 - CIT 160 - PowerPoint/Microsoft Publisher **3 Credit(s)**
- Choose

Spring Semester (15 Credits)

- CIT 107 - Excel **3 Credit(s)**
 - CIT 112 - Access **3 Credit(s)**
- Choose
- CIT Elective (any eligible CIT class except CIT 117) **Credits / Units: 3**
- ENG 101 - College Composition I **3 Credit(s)**
- Or

- ENG 115 - Technical Writing 3 Credit(s)
Math - Mathematics Core Requirements **Credits / Units:** 3

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met

this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Culinary Arts, C.A.S.

Major Code: 323

This program is designed to provide a certificate of achievement in food preparation with one year of training. It emphasizes basic techniques of food preparation. Hands-on experience in the laboratory classes is included to build a foundation of basic cooking skills and commercial food sanitation skills. Upon completion of the program students are prepared to obtain positions as prep cooks and other entry level kitchen positions in restaurants, fast food establishments, hotels and other food service operations. The certificate program prepares students for a seamless transition to the Culinary Arts, Associate in Applied Science program.

In addition to General Education Outcomes, upon completion the student should be able to:

- Prepare all types of meals using safe, sanitary and nutritional skills
- Use correct knife skills, kitchen equipment and kitchen related appliances
- Demonstrate customer service techniques
- Demonstrate skills in financial planning, menu planning
- Explain key laws and regulations for food service establishments

The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

Uniforms are required for CART 131, CART 145, CART 151, and CART 159.

Job Titles: Prep cook and other entry-level kitchen positions in restaurants, fast food establishments, hotels and other food-service operations.

Wage and Employment Trends:

- \$23,900 Average Annual Salary (2020) in WV
- \$11.49 average per hour in WV
- 1180 Projected job openings between in WV (2018-2028)
- 237,200 Projected job openings in the US (2019-2029)

Wage and employment trends based on Department of Labor and ONET statistics.

CIP Code: 120505

Fall Semester (17 Credits)

- CART 121 - Food Service Sanitation and Safety **2 Credit(s)**
- CART 124 - General Nutrition **3 Credit(s)**
- CART 131 - Bakeshop **3 Credit(s)**
- CART 145 - Elements of Commercial Food Preparation and Service **3 Credit(s)**
- CART 159 - Basic Food Science **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

Spring Semester (15 Credits)

- CART 125 - Essentials of Dining Services **3 Credit(s)**
- CART 151 - Meat, Poultry and Seafood Preparation **3 Credit(s)**
- CART 175 - Advanced Food Science **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH - Math Core Requirement **3 Credit(s)**

Total Credits 32

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Electro-Mechanical Technology, C.A.S.

Major Code: 263

The program of the Electro-Mechanical Technologies, C.A.S., is a one-year program designed to prepare individuals to be maintenance employees in the exciting fields of Electrical or Mechanical maintenance. You will learn about the installation, trouble shooting, and repairing of modern industrial machinery, and how to work alongside other maintenance workers and engineers. The highly technological, integrated and automated manufacturing facilities of today's modern workplace demand advanced training that we provide. Employers are looking for technicians who have strong interdisciplinary training and skillsets.

Upon completion of this program, graduates will be able to:

- Describe the basic principles of hydraulic and pneumatic systems.
- Safely perform basic welding practices used in industrial applications.
- Apply scientific principles to electrical systems.
- Describe the basic principles of refrigeration systems.
- Describe the various mechanical components used in modern machinery.
- Demonstrate safe practices and procedures to avoid common industrial hazards.
- Interpret electrical and mechanical prints and other documentation.

CIP: 150403

Fall Semester (14 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
- ENG 115 - Technical Writing **3 Credit(s)**
- MEC 122 - Machine Maintenance and Installation I **3 Credit(s)**

Spring Semester (16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MATH 113 - Technical Mathematics **4 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Energy Technology, C.A.S.

Major Code: 264

The Energy Technology C.A.S. program is designed to prepare students for employment in the natural gas drilling, gathering and field operations industry including Marcellus and Utica Shales and to give students a basic understanding of renewable energy technologies used on the well site. The program provides a strong foundation in oil and gas

exploration, production, including development in the Appalachian Basin. Laboratory classes include a strong emphasis on hands-on experiences. Safe work practices are emphasized and several industry credentials are embedded within the curriculum.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Follow conventional industrial safety and communication practices
- Perform procedures and tasks commonly used in exploration for and production of oil and gas in the Appalachian Basin
- Identify basic considerations that go into natural gas processing
- Use various instruments and equipment to measure fluids, temperature, flows, and pressures
- Apply principles of hydraulic, pneumatic, and electrical systems to equipment in the energy industry
- Explain alternative energy technologies and applications as applied to well sites

The program prepares graduates for employment as field technicians, pumpers, drilling technicians, and other technical positions related to the energy industry.

Job Titles: Board Operator, Gauger, Hydrotreater Operator, Outside Operator, Pumper, Unit Operator

Wage and Employment Trends:

- Median Wages (2016) \$27.15 hourly, \$56,470 Annual
- Employment (2016): 15,000 Employees
- Projected growth (2016-2026): Much faster than average (15% or higher)
- Potential Industry Credentials Earned: SafeLands USA, OSHA 30 hour General Industry completion card, CPR/First Aid, Compressor Basic Training, Well Control Awareness Training, FEMA Introduction to Hazardous Materials Training

CIP Code: 150903

Fall Semester (15 Credits)

- APT 100 - Introduction to Applied Technology **2 Credit(s)**
- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- NRG 101 - Energy Transition Technology & Applications **1 Credit(s)**
- PTRM 104 - Production Technology with Hands-On Lab **3 Credit(s) ***

Spring Semester (15/16 Credits)

- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**

- MATH 101 - Intermediate Algebra **3 Credit(s)**
or

- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**
- PTRM 150 - Drilling/Completion Operations **3 Credit(s)**

Total Credits (31)

*Course has a hands-on lab component.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Hospitality and Tourism, C.A.S.

Major Code: 321

The certificate will prepare students for entry level positions in the hospitality industry. Completion of this certificate provides the skills needed to meet personal and professional goals in the chosen hospitality field. Students will need to complete a field experience as part of this program.

Graduates can expect obtain employment positions as assistant restaurant food service, assistant hotel managers, conference planners and managers in areas related to travel and tourism.

Hospitality CAS Program Outcomes

- Identify and compare various components of the hospitality industry and specify the career challenges and trends.
- Understand the basic workings of a manger in the hospitality industry.
- Understand the relationship between cost and revenue and how to be prepared for unique challenges in the industry.
- Explain governmental regulations and laws on the local, state, and federal level. How do they impact hospitality directly and indirectly.
- Apply communication skills through discussion of sales promotion, advertising, and public relations policies by researching behavior of the hospitality industry.

CIP Code: 520904

Fall Semester (14 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 100 - Introduction to Business **3 Credit(s)**
- CART 121 - Food Service Sanitation and Safety **2 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (16 Credits)

- CART 125 - Essentials of Dining Services **3 Credit(s)**
- CART 245 - Menu, Purchasing and Cost Control **3 Credit(s)**

- CIT 117 - Microsoft Applications **3 Credit(s)**
- HAT 150 - Meeting and Convention Planning **3 Credit(s)**
- HAT 155 - Hotel/Lodging Mgt and Practicum **4 Credit(s)**

Total Credits 30

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Industrial Maintenance Technology, C.A.S.

Major Code: 243

This program is designed to provide the technical knowledge and skills necessary for entry-level maintenance personnel positions in many types of businesses and industries. Students are prepared to make a rapid transition into gainful, productive employment.

Upon completion of this program, graduates will be able to:

- Demonstrate basic knowledge of welding
- Demonstrate basic knowledge of hydraulic systems
- Demonstrate basic knowledge of pumps and piping systems
- Demonstrate basic knowledge of electrical systems
- Recognize common industrial hazards
- Interpret basic industrial prints

Graduates from this program can expect to obtain employment in positions such as welders, pipefitters, heating technicians, refrigeration technicians, and facility maintenance workers.

Graduates are employed by unions, industrial, chemical and electrical plants, industrial centers, light and heavy commercial centers, and health care facilities. The employment outlook for industrial maintenance technicians is excellent. There are job opportunities in Industrial Maintenance throughout the region and across the United States.

CIP Code: 470399

Fall Semester (15 hours)

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**
- APT 150 - Hydraulic and Pneumatic Fundamentals **3 Credit(s)**
- Math Requirement* **3 Credit(s)**
- RAH 100 - Basic Refrigeration I **3 Credit(s)**

Spring Semester (16 credits)

- APT 112 - Introduction to Welding **3 Credit(s)**
- APT 155 - Electrical and Electronic Fundamentals **3 Credit(s)**

- English Requirement** **3 Credit(s)**
- HPE 110 - CPR and First Aid **1 Credit(s)**
- MEC 120 - Motors and Motor Controls **3 Credit(s)**
- MEC 232 - Pumps and Piping **3 Credit(s)**

Total Credits 31

*Choose from MATH 101 or MATH 108 or MATH 113 or MATH 279 or MATH 280 or MATH 281

**Any college level English will fulfill this requirement.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Licensed Practical Nursing (LPN), C.A.S

Licensed Practical Nursing (LPN), C.A.S.

Major Code: 162M

NOTE: This program has specific entrance requirements, application, and standards of progress requirements. See the Allied Health Selection and Admission sections for additional information. The program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check course descriptions in the catalog to determine prerequisites and, in addition, should consult their academic advisor regarding the order in which they take courses.

LPN is a profession with a comprehensive body of knowledge and skills. Practical nurses practice the art and science of nursing, providing compassionate, comprehensive, and competent care to patients of all ages. LPNs are essential members of the healthcare team who work under the direct supervision of registered professional nurses to perform their duties.

In addition to General Education Outcomes, graduates will be prepared to:

1. Provide competent, safe, quality, patient-centered nursing care to patients with predictable healthcare needs through a supervised, directed practice using professional standards, best practices, and available evidence. (**Safe, Patient-Centered Care**)
2. Participate as an advocate for patients and promote dignity, respect, and privacy while using ethical and legal principles. (**Caring Behaviors**)
3. Interact and collaborate with patients and members of the healthcare team using effective communication and information technology. (**Communication**)
4. Provide competent, safe, quality, patient-centered nursing care using critical thinking skills and clinical judgment. (**Clinical Judgment**)
5. Participate in collaborative relationships with patients and members of the interdisciplinary healthcare team to assist in planning, delivery, coordination, and improvement of patient-centered care. (**Collaboration**)

6. Assist in the coordination of the care of diverse patients in a variety of healthcare settings using professional behaviors.(**Leadership**)

CIP CODE: 51.3901

First Semester

- LPN 110 - Fundamentals and Foundations of Practical Nursing **8 Credit(s)**
- LPN 111 - Integrated Human Sciences **2 Credit(s)**
- LPN 112 - Pharmacology for Practical Nurses **2 Credit(s)**

Second Semester

- LPN 121 - Medical-Surgical Nursing I **7 Credit(s)**
- LPN 122 - Nursing & Healthcare I- Practice, Issues & Trends **2 Credit(s)**
- LPN 123 - Mental Health Concepts/ Geriatric Nursing **4 Credit(s)**

Third Semester

- LPN 130 - Medical-Surgical Nursing II **7 Credit(s)**
- LPN 131 - Maternal-Child Nursing **4 Credit(s)**
- LPN 132 - Nursing and Healthcare II: Practice, Issues, Trends and NCLEX Review **3 Credit(s)**

Total Credits (39)

A minimum of a "C" grade is required in all courses to remain in the program and graduate.

IMPORTANT PRE-REQUISITE REQUIREMENT INFORMATION:BIO 114 , BIO 115 , ENG 101 , AHS 103 and ORNT 090 are all pre-requisite courses and as well as graduation requirements for the LPN Program. See your advisor to determine if you have met this requirement.

Medical Assisting, Administrative Medical Assistant, C.A.S.

Major Code: 163

Students selecting the Administrative Medical Assistant, CAS option will be provided training in administrative medical office procedures. Students successfully completing the program can test for the Certified Medical Administrative Assistant credential from the National Healthcareer Association (CMAA-NHA) and are eligible to apply for admission to the Clinical Medical Assistant Associate in Applied Science Degree Program at WVNCC.

In addition to General Education Outcomes, upon completion of the program, graduates will be able to:

- Identify and differentiate the roles of the various members of the health care team.
- Differentiate administrative competencies and clinical competencies for the medical assistant post patient demographic and clinical information to the electronic health record.

- Produce medical insurance claims with an appropriate diagnostic and procedural coding according to the policies of private, state, federal and Workers' Compensation agencies.
- Demonstrate medical financial management skills, including, patient data entry, billing, insurance submission and standard financial accounting reports.
- Comprehend legal and ethical issues related to a career as a member of the health care team.
- Demonstrate knowledge of compliance related to HIPAA and OSHA Standards.
- Demonstrate an understanding of professionalism in the medical office setting.
- Demonstrate therapeutic communication techniques.

Occupations available for students completing program requirements include the following: medical office receptionist, medical office assistant, administrative medical assistant, and Certified Medical Administrative Assistant, and hospital admissions clerk. Graduates of this program can expect to obtain entry-level employment primarily in ambulatory care settings. According to the U.S. Department of Labor's Occupational Outlook, employment of administrative medical office employees is projected to grow 10 percent from 2014 to 2024.

Important information: If you have ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board, and agencies which require criminal background checks on potential employees and students may deny you employment or placement in certain settings, even if you have completed all academic requirements. If you have been convicted of a felony or misdemeanor, please contact the appropriate Health Science Program Director.

Job Titles: Certified Medical Administrative Assistant (CMAA), Medical Office Assistant, Administrative Medical Assistant

Wage and Employment Trends:

- Annual Range Regionally \$19,950 to \$22,130 (Onet, 2017)
- 262,100 Projected National Growth Nationally (Onet, 2017)
- Certification Option: Certified Medical Administrative Assistant (CMAA) through National Healthcareer Association (NHA)

CIP Code: 510710

Fall Semester (16 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- AHS 108 - Disease Process Applications **3 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MAS 150 - Introduction to Medical Administrative Procedures **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**

Spring Semester (14 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- CIT 117 - Microsoft Applications **3 Credit(s)**
- MAS 125 - Basic Diagnostic and Procedural Coding **2 Credit(s)**
- MAS 151 - Medical Financial Management **2 Credit(s)**
- MAS 153 - Medical Insurance and Reimbursement Methodologies **2 Credit(s)**

Total Credits (30)

A minimum grade of a "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Medical Billing and Coding, C.A.S.

Major Code: 261

Students selecting the Medical and Coding, C.A.S. program will be provided training in general and career-specific courses including medical terminology, anatomy and physiology, business math, medical insurance, diagnostic and procedural coding, computerized billing, accounts receivable, and reimbursement methodologies. Upon completion, students will sit for a nationally approved entry-level coding credential.

- Demonstrate knowledge of entry-level procedures related to health information management, medical reimbursement, and the revenue cycle.
- Demonstrate ability to select diagnostic and procedural codes with data extracted from the medical record.
- Demonstrate the ability to complete insurance claims providing all information required by insurance carriers.
- Demonstrate the ability to apply knowledge of accounts receivable processes.
- Complete work in the computerized billing system.
- Demonstrate knowledge of the application of legal and ethical standards to all aspects of the medical office.
- Demonstrate knowledge of application of HIPAA to all aspects of the medical office.
- Apply anatomy & physiology and medical terminology to medical billing and coding procedures.

Students successfully completing the Medical Billing and Coding, C.A.S. program qualify to apply to the Health Information Technology, A.A.S. program.

CIP Code: 510713

Fall Semester (15 Credits)

- AHS 102 - Electronic Health Records **1 Credit(s)**
- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MBC 100 - Revenue Cycle Management I **3 Credit(s)**
- MBC 110 - Physician and Hospital Coding **3 Credit(s)**

Spring Semester (15 Credits)

- AHS 108 - Disease Process Applications **3 Credit(s)**
- AHS 110 - Medical Legal/Ethical Issues **1 Credit(s)**
- BIO 115 - Anatomy and Physiology II **3 Credit(s)**

- CIT 117 - Microsoft Applications **3 Credit(s)**
- MATH 115 - Mathematics for Health Sciences **3 Credit(s)**
- MBC 125 - Revenue Cycle Management II **3 Credit(s)**

Total Credits (30)

A minimum grade of "C" is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Patient Care Technician, C.A.S.

Major Code: 260

The Patient Care Technician is a program which prepares a skilled patient care professional to perform basic medical services, help those who are ill or injured, and assist individuals who need help with daily activities. There is a growing need for patient care throughout all segments of the health care industry. Patient care technicians work under the supervision of a provider and have direct patient contact as a member of the health care team. Employment opportunities may include assisted living facilities, Urgent Care Clinics, Community Health Agencies, Home Health Services, Hospitals, Laboratories, Long-term Care Facilities, Medical Centers, Nursing Homes, Physical Therapy Departments, Physician Offices, and Rehabilitation Centers. Students learn from instructors who work in the health care field and understand what it takes to provide top quality health care. Patient care students learn skills in a medical lab on campus which replicates the medical care environment. Students will complete an extensive preceptor externship in a health care facility under the indirect supervision of faculty. The Program has an advisory board of health care professionals that guide's curriculum so the students learn the latest skills health care companies expect of graduates.

In addition to General Education Outcomes, upon completion of this program, graduates will:

- Be eligible to graduate with a Certificate of Applied Science (CAS) in Patient Care Technician.
- Be eligible to sit for Patient Care Technician certification through the National Healthcareer Association (NHA).
- Be eligible to sit for separate Home Care Worker Exam.
- Be Basic Life Support (BLS) certified (provided within the course).
- Be eligible to obtain employment at a Health Care Facility or transfer/matriculate to an Associate or Bachelor Degree Program in Health Care.

Job Titles: Patient Care Technician (PCT), Direct Care Worker, Phlebotomist, EKG Technician

Wage and Employment Trends:

- \$25,710 Annual (2015)
- 1,492,000 Employees (2014)
- Much Faster than Average Projected Growth (14% or higher between 2017-2024)
- National Certification Options: Patient Care Technician, Phlebotomist, EKG Technician

CIP Code: 513902

Fall Semester (15 Credits)

- AHS 103 - Medical Terminology **1 Credit(s)**
- BIO 114 - Anatomy and Physiology I **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- PCT 101 - Patient Care Technician I **5 Credit(s)**
- Restricted Electives **3 Credit(s) ***

Spring Semester (14/16 Credits)

- BIO 115 - Anatomy and Physiology II **3 Credit(s)**
- MATH - Math Core Requirement **3(4) Credit(s) ****
- PCT 151 - Patient Care Technician II **6 Credit(s)**
- Electives **2(4) Credit(s) *****

Total Credits (30)

*Restricted Electives: SPCH 101, SPCH 105, CIT 117, PSYC 105

**Math Core Requirement: MATH 108, MATH 115

***Electives: Math core and electives must total at least 6 credit hours.

A minimum of a "C" grade is required in all courses to remain in the program and graduate.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Certificate in Applied Science Program listed below for acceptable core requirements.

General Education Core Requirements

Certificate of Applied Science General Education Requirements

Small Business Management, Business Career Studies, C.A.S.

Major Code: 158

This program is designed to prepare students to make sound management decisions concerning the operation of a small business. A basic background is provided in the following areas: accounting, computers and information technology, business law, marketing, business communications, and management.

This certificate program may be transferred to a two year program leading to an Associate in Applied Science degree.

In addition to General Education Outcomes, upon completion of this program, graduates will be able to:

- Implement the full accounting cycle for various types of organizations
- Market and promote products
- Use quantitative reasoning to solve problems in the business and accounting fields

- Analyze how local and global economies affect business management
- Use basic application software in the field of business
- Demonstrate managerial decision making

Graduates can expect to be employed in retail establishments, sole proprietorships, and food and hospitality industries.

Statistically, individuals with entrepreneurial skills constitute one of the fastest growing fields of employment.

Job Titles: Entrepreneurs, Assistant Managers, Front line shift supervisors, Store managers.

Wage and Employment Trends:

- According to the American Community Survey by the US Census Bureau, the median income for individuals who were self-employed at their own incorporated business in WV was \$42,450 in 2014; for those self-employed at their own unincorporated firms, it was \$18,785.

CIP Code: 520701

Fall Semester (15 Credits)

- ACC 122 - Principles of Accounting I **3 Credit(s)**
- BA 240 - Business Law I **3 Credit(s)**
- CIT 120 - Microsoft Word I **3 Credit(s)**
- ECON 104 - Principles of Macroeconomics **3 Credit(s)**
- MGT 253 - Small Business Management **3 Credit(s)**

Spring Semester (15 Credits)

- BA 265 - Business Communications **3 Credit(s)**
- CIT 107 - Excel **3 Credit(s)**
- ENG 101 - College Composition I **3 Credit(s)**
- MATH 109 - Mathematics of Business and Finance **3 Credit(s)**
- MKT 230 - Principles of Marketing **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Substance Abuse Intervention Technician, C.A.S

Major Code: 395S

The Substance Abuse Intervention Technician CAS prepares students to work with individuals and families experiencing or affected by substance abuse problems and other co-occurring behavioral or mental health issues. Students will learn about working with clients, and acquire skills needed to apply theories used in psychology, social work, and substance use disorders to help individuals and families recover from substance abuse & addiction and prevent relapse. A 2.0 GPA is required for acceptance into this program.

This program allows students to complete a certificate quickly to prepare to work in the fields of substance abuse, social work, or mental health in a treatment facility. Students who complete this certificate under the federal grant

referenced below, who have worked or currently work in the field of Substance Abuse Intervention and have completed a certain number of clinical, internship, or on the job hours in assessment, diagnosis, treatment, recovery, & education under the direct supervision of a licensed or certified Substance Use Disorder treatment professional may be eligible for an Apprenticeship Certificate through the Department of Labor or through state certification boards.

For students who have also had a successful personal recovery experience, it will fulfill the eligibility requirements of the WV Certification Board for Addiction & Prevention Professionals (WVCBAPP) to sit for the exam to become credentialed as peer recovery support specialists (PRSS) in West Virginia.

It also fulfills some of the requirements for students who wish to pursue the Associate in Applied Science Degree (AAS) for Substance Abuse Intervention Specialists, or can serve as a foundation for students who eventually may wish to pursue a Bachelor's or Master's degree in Social Work, Psychology, Counseling, Mental Health/Addiction studies, or related fields.

This project is supported by a grant from the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant # T26HP394640100, "Opioid Impacted Family Support Program". This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government."

Students successfully completing and receiving a Certificate in Substance Abuse Intervention Technician should be able to:

- Explain the philosophies of Alcoholic's Anonymous and Narcotics Anonymous*
- Describe history, concepts, theories and strategies used in psychology & human services delivery systems.*
- Identify psychoactive substances and their effects on the user*
- Explain issues related to the needs of different types of clients with substance use disorders*
- Demonstrate professionalism and apply medical, legal, and discipline-based ethics in clinical settings by successfully completing practicums.*
- Describe the skills, techniques, strategies, and abilities used for assessing, treatment planning, and therapeutic communication with clients in individual or group settings*
- Describe concepts related to equity and inclusion for individuals from diverse backgrounds and ability levels*

*Returning students who completed certain courses (HS 100, HS 101, HS 147, HS 150, HS 200, HS 210, BIO 114, AHS 103, AHS 110, HPE 110) more than 5 years prior to entering this program will be asked to repeat those course(s) to ensure that their knowledge & skills are current in the field.

Graduates of this program can expect to be employed in substance abuse treatment facilities or other human services agencies in positions which do not require Associate or Bachelor's degrees as peer recovery support specialists, behavior specialists, case aides or caseworkers, or as mental health or crisis intervention technicians. To become a prevention specialist or certified addictions counselor, social worker, or similar professional, students with this certificate will need to continue their education by earning an Associate or Bachelor's degree.

The employment outlook for these jobs currently is above average but is dependent upon changing needs within the local region, other regions and the nation.

Salaries are moderately low compared to other fields. Pay depends on the location and type of agency and on the prospective employee's level of education and work experience.

Important information: If the student has ever been convicted of a felony or misdemeanor for any reason, State or National credentialing boards, licensing board and agencies, which require criminal background checks on potential employees and students may deny employment or placement in certain settings, even if all academic requirements have been completed. A student who has been convicted of a felony or misdemeanor should contact the Program Director.

Job Titles: Peer Support Specialist, Family Service Worker, Direct Services Worker, Mental Health Technician

Wage and Employment Trends:

- \$13 to \$15 an hour (Payscale.com, 2020)
- 22% growth in the next four years; faster than average (SAMHSA, 2019)

CIP Code: 51.1501

First Semester (16 Credits)

- ENG 101 - College Composition I **3 Credit(s)**
Or
- ENG 115 - Technical Writing **3 Credit(s)**
- HS 100 - Intro to Social Work & Human Services **3 Credit(s)**
- HS 101 - Understanding Group Processes and Dynamics **3 Credit(s)**
- HS 205 - Human Services Seminar **1 Credit(s)**
- HS 210 - Intro to Case Management & Counseling **3 Credit(s)**
- PSYC 105 - Introduction to Psychology **3 Credit(s)**

Second Semester (12-13 Credits)

- HPE 110 - CPR and First Aid **1 Credit(s)**
- HS 150 - Introduction to Substance Abuse **3 Credit(s)**
- Math Core Requirement* 3-4 Credit(s)
- PSYC 200 - Abnormal Psychology **3 Credit(s)**
- SA 100 - Peer Recovery Support Specialist (PRSS) Ethics **1 Credit(s)**
- SA 200 - Substance Abuse Practicum/Clinical Experience I **1 Credit(s)**

Third Semester (2 Credits)

- SA 201 - Substance Abuse Practicum/Clinical Experience II **2 Credit(s)**

Total Credits 30-31

*Students who eventually plan to transfer should take MATH 210 to maximize transferability into bachelor's degree programs in social work or psychology.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

General Education (Math) Requirement

Associate in Applied Science General Education Math Core Requirement

Welding: Oil and Gas Pipe, C.A.S.

Major Code: 239

The Oil & Gas Pipe Welding program is designed to prepare an individual with the advanced skills needed for the ever changing job market. Students in the program will weld pipe utilizing Shielded Metal Arc Welding (SMAW) in all positions to American Welding Society (AWS) standards. All technical courses in the program provide extensive hands-on experiences.

The Oil & Gas Pipe Welding program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advanced standing and should confer with program faculty and/or advisors about processes to obtain advanced standing.

Upon completion of this program, graduates will be able to:

- Communicate effectively in oral and written formats.
- Demonstrate problem-solving and critical thinking skills.
- Employ mathematical and science literacy skills.
- Demonstrate safe practices in all welding activities.
- Demonstrate ability to weld pipe in the 5G and 6G positions using SMAW in the downhill progression
- Demonstrate how to read and identify drawings, prints and symbols.
- Demonstrate the ability to layout and cut pipe manually for branch and butt joints.

Job Opportunities: Graduating students will have the skills necessary to find work as a construction pipe welder, pipeline welder, or facility maintenance welder in a variety of settings. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

Wage and Employment Trends:

- According to the Bureau of Labor Statistics (BLS), oil and gas pipe welders earn an average annual salary of \$40,000 to \$80,000 per year.
- The employment outlook is currently above average at the regional, state, and national levels.

CIP Code: 480508

Welding: Oil & Gas Pipe

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- APT 110 - Introduction to Print Reading **3 Credit(s)**

- ENG 101 - College Composition I **3 Credit(s)**
or
- ENG 115 - Technical Writing **3 Credit(s)**

- MATH 108 - College Algebra **4 Credit(s)**
or
- MATH 113 - Technical Mathematics **4 Credit(s)**

- PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab **2 Credit(s)**
- WELD 102 - Basic Shielded Metal Arc Welding **3 Credit(s)**
- WELD 112 - Advanced Shielded Metal Arc Welding **6 Credit(s)**
- WELD 225 - Downhill Pipe Welding **3 Credit(s)**

Total Credits (30)

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Flexible Degree

Occupational Development, A.A.S.

Northern recognizes training from approved U.S. Department of Labor Bureau of Apprenticeship Training (BAT) programs towards an associate degree. Required courses of study for eligible programs are determined by agreements between the College and the apprenticeship program. Individuals must be enrolled in or have completed the approved apprenticeship program in order to be eligible to enroll in this program.

Those BAT apprenticeship programs which are currently available for the occupational development program are:

- Building and Construction Trades with the Upper Ohio Valley Building and Construction Trades Council AFL-CIO. **Major Code: 403**
- Child Development Specialist with Northern Panhandle Apprenticeship Council. **Major Code: 404**
- Plumbers and Steamfitters with Wheeling Plumbers and Steamfitters Joint Apprenticeship Committee. **Major Code: 402**

Upon completion of the program, graduates will be able to:

- Effectively use both written and verbal communication skills in the workplace.
- Demonstrate knowledge of interpersonal skills and their application in the workplace.
- Apply principles of mathematics and science to contemporary issues in society and in the workplace.
- Demonstrate an understanding of technical skills required in the specific occupational area through the successful completion of an approved apprenticeship training program.

There are three components to the program:

1. General education courses are offered by the College.
2. Technical specialty courses, including classroom instruction required by the specific apprenticeship program, which may be supplemented by college courses in some cases.
3. On-the-job training is part of the apprenticeship program and is awarded credit under agreements negotiated by the partners.

Specific agreements, which list course requirements for each component are available from the College Counselors or the Vice President of Economic and Workforce Development.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

CIP Code: 309999

General Education Core Requirements

Associate in Applied Science General Education Requirements

Technical Studies, A.A.S.

Major Code: 456

Northern works with employers or agencies to develop programs that incorporate training from the sponsor and combine it with general education and technical training provided by the College to offer an associate's degree. Students must be employees or clients of the sponsor to be eligible for enrollment in this program. Required courses are specified in agreements between the College and the sponsor.

Major Code: 451

Currently there is a Technical Studies degree available as a Child and Family Specialist with Northern Panhandle Headstart of West Virginia.

Upon completion of the program, graduates will be able to:

- Effectively use both written and verbal communication skills in the workplace.
- Demonstrate knowledge of interpersonal skills and their application in the workplace.
- Apply principles of mathematics and science to contemporary issues in society and in the workplace.
- Demonstrate an understanding of technical skills required in the specific occupational area.

The Technical Studies program generally has four components:

- General education core.
- Technical core.
- Technical specialty.
- And in addition, some programs have an on-the-job training component.

Specific agreements that list course requirements for each component are available from the College Counselors or the Vice President of Economic and Workforce Development.

IMPORTANT GRADUATION INFORMATION: ORNT 090 is a graduation requirement. See your advisor to determine if you have met this requirement.

Refer to General Education Core Requirements for the Associate in Applied Science Program listed below for acceptable core requirements.

CIP Code: 419999

General Education Core Requirements

Associate in Applied Science General Education Requirements

Advanced Skills Set

Welding: Combination Pipe, Advanced Skills Set Program

Major Code: 739S

The Combination Pipe Welding Advanced Skills Set Program is designed to prepare individuals with advanced welding skills that make them ideal candidates for employment for a wide range of industrial settings. Students in the program will weld pipe in various processes in all positions to AWS (American Welding Society) standards. All technical courses in the program provide extensive hands-on experiences. Students will have a broad based foundation in welding that includes Shielded Metal Arc Welding (SMAW) and Gas Tungsten Arc Welding (GTAW).

The Combination Pipe Welding Program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advance standing and should confer with program faculty and/or advisors about processed to obtain advanced standing.

In addition to General Education Outcomes, upon completion of this program, students will be able to:

- Demonstrate safe practices in all welding activities.
- Demonstrate ability to weld pipe in all positions using SMAW to AWS standards.
- Demonstrate ability to weld fillet and butt welds in all positions on both plate and pipe, utilizing GTAW to AWS standards.

The employment outlook is currently above average at the regional, state, and national levels. Bureau of Labor Statistics (BLS) report an average annual salary of \$40,000 to \$80,000 for Combination Pipe Welder. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

CIP Code: 480508

Spring Semester

- WELD 115 - Fabrication Drawing & Fitter Skills **3 Credit(s)**
- WELD 112 - Advanced Shielded Metal Arc Welding **6 Credit(s)**
- WELD 206 - Beginning TIG **3 Credit(s)**
- WELD 208 - Advanced TIG **3 Credit(s)**
- WELD 225 - Downhill Pipe Welding **3 Credit(s)**

Total Credits (18)

These classes will take 15 weeks to complete and will require a commitment of 7 am - 2 pm, Monday through Friday, during the spring semester. Upon completion of these classes, students will receive 18 college credit hours or 45 CEU's depending on the student's needs. This program is not eligible for Title IV financial aid. Options are available to take additional general education requirements to obtain a college certificate or degree.

Welding: Structural Steel, Advanced Skills Set Program

Major Code: 738S

The Structural Steel Welding Advanced Skills Set Program is designed to prepare individuals with advanced welding skills that make them ideal candidates for employment for a wide range of industrial settings. Students in the program will weld plate in various processes in all positions to AWS (American Welding Society) standards. All technical courses in the program provide extensive hands-on experiences. Students will have a broad based foundation in welding that includes Shielded Metal Arc Welding (SMAW), Flux Core Arc Welding (FCAW), and Gas Metal Arc Welding (GMAW).

The Structural Steel Welding Program has been designed as an integrated program of study with secondary (high school) programs in the College's service area in West Virginia. Students completing a secondary program may be eligible for advance standing and should confer with program faculty and/or advisors about processed to obtain advanced standing.

In addition to General Education Outcomes, upon completion of this program, students will be able to:

- Demonstrate safe practices in all welding activities.
- Demonstrate ability to weld fillet welds in all positions on structural steel plate using SMAW to AWS standards.
- Demonstrate ability to weld fillet welds in all positions on structural steel plate using GMAW to AWS standards.

The employment outlook is currently above average at the regional, state, and national levels. Bureau of Labor Statistics (BLS) report an average annual salary of \$30,000 to \$75,000 for Structure Steel Welder. Career opportunities are available in a number of industries including manufacturing, fabrication, oil and gas, construction, and equipment maintenance and repair.

CIP Code: 480508

Fall Semester

- APT 103 - Safety Hazard Recognition **2 Credit(s)**
- APT 104 - Safety Applications **1 Credit(s)**
- WELD 102 - Basic Shielded Metal Arc Welding **3 Credit(s)**
- WELD 110 - Intermediate Shielded Metal Arc Welding **3 Credit(s)**
- WELD 202 - Beginning MIG **3 Credit(s)**
- WELD 210 - Flux Core Welding **3 Credit(s)**

Total Credits (18)

These classes will take 15 weeks to complete and will require a commitment of 7 am - 2 pm, Monday through Friday, during the fall semester. Upon completion of these classes, students will receive 18 college credit hours or 45 CEU's depending on the student's needs. This program is not eligible for Title IV financial aid. Options are available to take additional general education requirements to obtain a college certificate or degree.

Division of Economic and Workforce Development

The Division of Economic and Workforce Development is committed to providing a skilled and trained workforce for our local business and industry partners. Our staff addresses local workforce needs for emerging, existing, and entrepreneurial businesses through customizable programs and training courses which includes certification and pre-employment testing. We provide consultation on training needs and deliver high quality and cost-effective training.

Customized Contracted Instruction

The College offers local businesses, industries and organizations customized credit and non-credit courses, short-term workshops, and seminars to meet their needs. Instruction can cover a broad array of topics and can be delivered on-site or at one of the Northern campuses. Employers realize significant savings because costs are directly related to instruction. For information, contact the Executive Director of Business Services and Contract Training at 304-214-8975. Several initiatives we can deliver to align education and training with an employer's needs are:

- **Workplace Skill Set Programs:** These are short-term programs or courses, designed to deliver skills needed for success in the workplace, focused on specific employment areas. These programs include only the skills needed and require less time for completion than a traditional degree or certificate program. However, most of these programs are designed so that they can be used as part of the requirements for a degree program, creating a pathway toward degree completion for interested individuals.

- **Apprenticeships:** WVNCC partners with the U.S. Department of Labor, Bureau of Apprenticeship Programs, on several industry apprenticeships. We can assist with the development of a program, related training instruction, and will work with employers according to their on-the-job training requirements.
- **Flexible Degree Programs:** *(more detailed information on the following 2 programs can be found under the Academic Program section of this catalog)* Northern offers flexible degree programs which are designed to credential the training and education individuals obtain outside a normal degree program or from non-collegiate providers.
 - Technical Studies A.A.S.: This program is designed to provide cooperative educational opportunities leading to associate degrees for students participating in education and training programs sponsored by business, industry, labor, government, or other agencies. Required components in the program include general education, classroom instruction in a technical core, and in the occupation area. College credit may be awarded for on-the-job training and/or supervised work-based learning.
 - Occupational Development A.A.S.: This program is developed through an agreement with the US Department of Labor Bureau of Apprenticeship Programs and an employer to create a degree program curriculum that will include student learning in three areas: general education, classroom occupational training, and on the job training (OJT). A minimum amount of general education is required, and the amount of classroom occupational training will be determined by the number of classroom contact hours required in the Registered Apprenticeship Program (RAP). On the job training may be credited; a statement of the total number of OJT contact hours experienced by the RAP participants also may be placed on the student's college record (according to state-established guidelines).

Career Development Courses

WVNCC offers courses for those seeking career training, professional development and certification training. These courses are short term career prep options that are outside of the traditional one- or two-year degree credit options. However, many are set up in a pathway so if a person wishes to continue to a traditional credit (degree) program, they have the option.

Career Development courses are offered in person, online and hybrid, depending on the topic and course requirements. They are set up to help you gain experience and knowledge in your chosen field. Please contact the Continuing & Community Education Program Manager at 304-214-8969 or visit our website for more information.

Online Continuing Education Courses

In addition to the above courses, Northern offers online courses through partnerships with ed2go, 360 Training, and other providers. Students may take a variety of courses at their convenience. Please contact the Continuing & Community Education Program Manager at 304-214-8969 or visit our website for more information.

Testing Center

Northern has contracts with multiple national and state licensing agencies to provide testing in a proctored facility. These are industry testing, pre-employment testing, certifications, and licensing exams. For further information or to schedule a test, please contact the Testing Center at 304-214-8969 or go to our website for a list of our test offerings.

Personal Enrichment

Northern offers courses and seminars for personal enrichment, cultural interests, and educational pursuits through community education programming. For information about courses or to request specific offerings, please contact the Administrative Assistant at 304-214-8968 or visit our website for more information.

Small Business Development Center (SBDC)

The SBDC provides consultation, training, and problem-solving services to existing, potential and start-up small businesses within the College's six-county service area. Services provided by the department include assistance with business plans, loan applications, and networking with local and state agencies as well as businesses to access available resources. The SBDC office is located on the Wheeling Campus, but the Program Manager regularly meets with clients in Weirton, New Martinsville and in other communities throughout the district. Please contact the SBDC Representative Donna Schramm at 304-214-8973 for more information.

Workforce Innovation and Opportunity Act (WIOA)

WVNCC partners with the Northern Panhandle Workforce Development Board to ensure West Virginia's unemployed, underemployed, and dislocated workers have opportunities to train/retrain in a community college setting. These educational programs are limited to state approved programs. WIOA participants are also eligible for other forms of financial aid, including Pell Grants and work study. All applicants must first be certified eligible by the Northern Panhandle Workforce Development Board – 304-232-6280. College financial aid questions should be directed to the financial aid office at (304) 233-5900 ext. 8844.

HEAPS Grant – Workforce Development Component

The West Virginia Legislature established a Higher Education Adult Part-time Student (HEAPS) Grant Program to address the needs of students who pursue programs of postsecondary education on a part time basis in high demand workforce-oriented programs. Students must demonstrate financial need plus meet other qualifications as established in the legislation. The Workforce Development staff and Financial Aid staff at WVNCC will assist students with this program. Please call the Financial Aid office at 304-214-8844 or the Workforce Development Office at 304-214-8968.

Learn and Earn

The WV Community and Technical College System offers a grant program through the state community colleges called the Learn and Earn. Through this grant program, Northern partners with West Virginia businesses, industries and organizations to employ traditional college students as paid interns to assist in meeting the company's workforce needs. Companies may be eligible for a grant to cover a portion of the cost of the interns' salary, based on state-established regulations. In return, those students will earn college credit in their degree program and valuable on the job work experience. Contact the Executive Director of Business Services and Corporate Training for additional information.

Course Descriptions

Accounting

ACC 122 - Principles of Accounting I

ACC 123 - Principles of Accounting II

ACC 205 - Cost & Managerial Accounting

ACC 222 - Computerized Accounting

ACC 224 - Intermediate Accounting I

ACC 225 - Intermediate Accounting II

ACC 240 - Business Taxation

ACC 250 - Accounting Capstone

Respiratory Therapy

RETH 104 - Clinical Practicum I

RETH 105 - Basic Respiratory Therapeutics

RETH 106 - Clinical Practicum II

RETH 107 - Cardiopulmonary & Renal Anatomy & Physiology

RETH 109 - Cardiopulmonary Diagnostics & Rehabilitation

RETH 201 - Critical Care I

RETH 203 - Cardiopulmonary Pathology

RETH 204 - Clinical Practicum III

RETH 205 - Critical Care II

RETH 206 - Clinical Practicum IV

RETH 207 - Respiratory Therapy Seminar

Allied Health Sciences

AHS 102 - Electronic Health Records

AHS 103 - Medical Terminology

AHS 108 - Disease Process Applications

AHS 110 - Medical Legal/Ethical Issues

Respiratory Therapy

RETH 103 - Cardiopulmonary Pharmacology

Applied Technology

APT 100 - Introduction to Applied Technology

APT 103 - Safety Hazard Recognition

APT 104 - Safety Applications

APT 110 - Introduction to Print Reading

APT 112 - Introduction to Welding

APT 150 - Hydraulic and Pneumatic Fundamentals

APT 155 - Electrical and Electronic Fundamentals

APT 201 - Instrumentation Process Technology: Equipment

APT 230 - Supervisory Control and Data Acquisition

APT 240 - Commercial & Industrial Wiring

Respiratory Therapy

Respiratory Therapy

RETH 101 - Introduction to Respiratory Therapy

Art

ART 150 - Art Appreciation

ART 256 - Creative Expression in Art and Design

Astronomy

ASTR 125 - Introduction to Astronomy

Biology

BIO 105 - Principals of Biology for Science Majors

BIO 110 - Principles of Biology

BIO 112 - Plant Biology

BIO 113 - Animal Biology

BIO 114 - Anatomy and Physiology I

BIO 115 - Anatomy and Physiology II

BIO 117 - Microbiology

BIO 130 - Basics of Human Anatomy and Physiology

BIO 204 - Local Flora

BIO 210 - Molecular and Cellular Biology

BIO 218 - General Ecology

BIO 220 - AP Health Care I

BIO 225 - AP Health Care II

BIO 227 - Applied Bioscience

BIO 230 - Internship

Business Administration

BA 090 - Keyboarding Skills for Information Processing

BA 100 - Introduction to Business

BA 223 - Business Finance

BA 240 - Business Law I

BA 241 - Business Law II

BA 265 - Business Communications

BA 275 - Entrepreneurship

BA 280 - Business Internship

BA 285 - Accounting/Business Capstone

Chemical Operator Technology

COT 201 - Chemical Process Tech I: Equipment

COT 205 - Applied Chemistry for Chem Operator

COT 210 - Process Quality

COT 230 - Chemical Process Tech II: Systems

COT 235 - Chemical Process Unit Oper: Simulations

COT 250 - Chemical Operator Technology Seminar

Chemistry

CHEM 100 - Intro to General, Organic, and Biochemistry I

CHEM 101 - Intro to General, Organic, and Biochemistry II

CHEM 108 - General Chemistry I

CHEM 109 - General Chemistry II

CHEM 204 - Organic Chemistry I

CHEM 207 - Organic Chemistry II

CHEM 209 - Organic Chemistry Laboratory

Compressor Mechanic

CMEC 101 - Basic Engine Operations

Computer Information Technology

CIT 101 - Introduction to Cyber Security

CIT 105 - Operating Systems

CIT 106 - Principles of Ethical Hacking

CIT 107 - Excel

CIT 111 - Help Desk Concepts

CIT 112 - Access

CIT 117 - Microsoft Applications

CIT 120 - Microsoft Word I

CIT 121 - Microsoft Word II

CIT 123 - A+ Hardware Essentials

CIT 142 - Networking Essentials

CIT 159 - Microsoft Publisher

CIT 160 - PowerPoint/Microsoft Publisher

CIT 176 - Visual Basic Programming

CIT 182 - PowerPoint Presentations

CIT 184 - Network + Fundamentals of Networking

CIT 185 - Database Design and SQL

CIT 187 - HTML/CSS

CIT 202 - Computer Support - Helpdesk/Applications

CIT 207 - Computer Applications Support

CIT 210 - SQL Server Administration

CIT 215 - JavaScript

CIT 217 - Game Development Fundamentals

CIT 218 - Microcontrollers and IoT

CIT 219 - Secure Computer User

CIT 220 - Unix/Linux

CIT 222 - Technology Ethics

CIT 232 - Introduction to Programming Logic

CIT 235 - Introduction to Cloud Computing

CIT 237 - Advanced Database Programming

CIT 241 - Microsoft Server Administration

CIT 245 - Information Security Fundamentals

CIT 247 - Windows PowerShell

CIT 250 - IT Analysis, Design, and Career Prep

CIT 255 - Cybersecurity Network Defense

CIT 256 - Collaborative Software Development

CIT 265 - Virtualization Concepts

CIT 272 - Object Oriented Programming/Data Structures

CIT 274 - Microsoft Server Setup and Troubleshooting

CIT 275 - Microsoft Server Administration and Virtualization

CIT 291 - CIT Internship and Certification

Criminal Justice

CRJ 104 - Introduction to Criminal Justice Systems

CRJ 110 - Criminalistics-Introduction to Forensic Science

CRJ 115 - Cyber Crimes Against Children

CRJ 201 - Introduction to Corrections

CRJ 205 - Case Studies and Readings in Criminal Justice

CRJ 206 - Criminal Justice Administration and Leadership Principles

CRJ 209 - Criminal Identification and Investigation

CRJ 220 - Criminal Law

CRJ 221 - Criminal Procedure

CRJ 225 - Terrorism and Homeland Security

CRJ 230 - Serial Killers and the Mafia History

CRJ 235 - Field Service

CRJ 245 - Introduction to Juvenile Justice System

CRJ 246 - Probation and Parole

CRJ 251 - Problems in Criminal Justice

CRJ 276 - Criminology

Culinary Arts

CART 121 - Food Service Sanitation and Safety

CART 124 - General Nutrition

CART 125 - Essentials of Dining Services

CART 131 - Bakeshop

CART 145 - Elements of Commercial Food Preparation and Service

CART 151 - Meat, Poultry and Seafood Preparation

CART 159 - Basic Food Science

CART 175 - Advanced Food Science

CART 223 - Personnel Supervision for the Hospitality Industry

CART 231 - Pastry Preparation

CART 235 - American Cuisines

CART 240 - Garde Manger

CART 241 - Classical Cuisines

CART 245 - Menu, Purchasing and Cost Control

CART 251 - Culinary Internship

CART 275 - Senior Seminar

Early Childhood: Care and Education

ECCE 100 - Foundations of Education

ECCE 204 - Early Childhood Field Experience

ECCE 205 - Early Childhood Seminar

ECCE 208 - ECCE Field Experience

ECCE 212 - Child, Family, and Community

ECCE 214 - Child Observation and Assessment

ECCE 220 - Language and Literacy

Economics

ECON 104 - Principles of Macroeconomics

ECON 105 - Principles of Microeconomics

ECON 120 - International Economics

Electronics

EL 112 - Basic Principles of Electricity and Electrical Control Mechanisms

EL 113 - Industrial Electricity I

Energy

NRG 101 - Energy Transition Technology & Applications

Engineering

ENGR 100 - Introduction to Engineering Applications

ENGR 101 - Engineering Problem Solving I

ENGR 102 - Engineering Problem Solving II

English

ENG 097 - College Literacy

ENG 101 - College Composition I

ENG 101S - College Composition I Supplemental

ENG 102 - College Composition II

ENG 115 - Technical Writing

ENG 115S - Technical Writing Supplement

ENG 200 - American Literature Through the Civil War

ENG 201 - American Literature Since the Civil War

ENG 208 - Renaissance Drama

ENG 210 - English Literature Through the Eighteenth Century

ENG 211 - English Literature Since the Eighteenth Century

ENG 225 - Shakespeare - Comedies

ENG 226 - Shakespeare - Tragedies/Histories

General Science

GSC 100 - Science in the Contemporary World

GSC 205 - Applied General Science Capstone

GSC 210 - General Science Internship

Geography

GEOG 205 - World Geography

Health and Physical Education

HPE 100 - General Program in Physical Education

HPE 101 - General Program in Physical Education

HPE 105 - Personal Fitness

HPE 110 - CPR and First Aid

Health Information Technology

HIT 100 - Introduction to Health Information Technology

HIT 145 - HIT Professional Practice Experience (PPE) I

HIT 150 - Health Record Documentation

HIT 235 - Intermediate Medical Coding

HIT 240 - Quality Management and Performance Improvement

HIT 260 - Advanced Medical Coding

HIT 263 - Health Information Technology Seminar

HIT 265 - HIT Professional Practice Experience (PPE) II

History

HIST 100 - World Cultures I

HIST 101 - World Cultures II

HIST 110 - The United States to 1865

HIST 111 - The United States Since 1865

Hospitality and Tourism

HAT 150 - Meeting and Convention Planning

HAT 155 - Hotel/Lodging Mgt and Practicum

Human Services

HS 100 - Intro to Social Work & Human Services

HS 101 - Understanding Group Processes and Dynamics

HS 147 - Understanding Human Diversity

HS 150 - Introduction to Substance Abuse

HS 155 - Substance Abuse Treatment & Recovery

HS 200 - Social Welfare Institutions

HS 204 - Human Services Field Experience (Internship)

HS 205 - Human Services Seminar

HS 208 - HS Field Experience (Internship)

HS 210 - Intro to Case Management & Counseling

License Practical Nursing

LPN 110 - Fundamentals and Foundations of Practical Nursing

LPN 111 - Integrated Human Sciences

LPN 112 - Pharmacology for Practical Nurses

LPN 121 - Medical-Surgical Nursing I

LPN 122 - Nursing & Healthcare I- Practice, Issues & Trends

LPN 123 - Mental Health Concepts/ Geriatric Nursing

LPN 130 - Medical-Surgical Nursing II

LPN 131 - Maternal-Child Nursing

LPN 132 - Nursing and Healthcare II: Practice, Issues, Trends and NCLEX Review

Management

MGT 250 - Principles of Management

MGT 253 - Small Business Management

Marketing

MKT 230 - Principles of Marketing

Mathematics

MATH 101 - Intermediate Algebra

MATH 101S - Intermediate Algebra Supplement

MATH 108 - College Algebra

MATH 109 - Mathematics of Business and Finance

MATH 109S - Math of Business and Finance Supplement

MATH 110 - Pre-Calculus Mathematics

MATH 113 - Technical Mathematics

MATH 113S - Technical Mathematics Supplement

MATH 115 - Mathematics for Health Sciences

MATH 115S - Mathematics for Health Sciences Supplement

MATH 116 - Mathematics Appreciation

MATH 204 - Mathematics for Elementary Teachers I

MATH 204S - Mathematics for Teachers I Supplement

MATH 205 - Mathematics for Elementary Teachers II

MATH 205S - Mathematics for Teachers II Supplement

MATH 210 - Introduction to Statistics

MATH 279 - Calculus I

MATH 280 - Calculus II

MATH 281 - Calculus III

Mechatronics

MEC 105 - Intro Computer Aided Drafting

MEC 115 - Instrumentation I: Mechanical

MEC 120 - Motors and Motor Controls

MEC 122 - Machine Maintenance and Installation I

MEC 130 - Fluid Power Basics

MEC 140 - Programmable Controllers I

MEC 222 - Machine Maintenance / Installation II

MEC 230 - Fluid Power Systems

MEC 232 - Pumps and Piping

MEC 235 - Instrumentation II Electrical

MEC 240 - Programmable Controllers II

MEC 251 - Problem Solving & Teamwork Seminar

Medical Assisting

MAS 125 - Basic Diagnostic and Procedural Coding

MAS 150 - Introduction to Medical Administrative Procedures

MAS 151 - Medical Financial Management

MAS 153 - Medical Insurance and Reimbursement Methodologies

MAS 155 - Medical Billing and Coding Applications

MAS 201 - Clinical Medical Assistant I

MAS 202 - Clinical Medical Assistant Skills Lab

MAS 210 - Clinical Medical Assistant II

MAS 211 - Clinical Medical Assistant Practicum

MAS 220 - Medical Assisting Seminar I

MAS 221 - Medical Assisting Seminar II

Medical Billing and Coding

MBC 100 - Revenue Cycle Management I

MBC 110 - Physician and Hospital Coding

MBC 125 - Revenue Cycle Management II

Medical Laboratory Technology

MLAB 111 - Introduction to Clinical Laboratory Science

MLAB 112 - Laboratory Analysis and Calculations

MLAB 131 - Introduction to Hematology

MLAB 132 - Urinalysis and Body Fluids

MLAB 133 - Hematology I/Urinalysis Clinical Practicum

MLAB 135 - Advanced Hematology and Hemostasis

MLAB 140 - Immunohematology Concepts and Procedures

MLAB 145 - Hematology II and Immunohematology Clinical Practicum

MLAB 213 - Clinical Microbiology, Immunology, and Serology

MLAB 221 - Clinical Chemistry

Mine Maintenance Technology

MMT 101 - Introduction to Mining

MMT 200 - Mine Maintenance I

MMT 205 - Mine Power Systems

MMT 220 - Mine Controls and Monitoring

MMT 225 - Electrical Certification Preparation Capstone

MMT 230 - Mine Maintenance II

Music

MUS 105 - Music Appreciation

Nursing

NURS 111 - LPN to RN Transition Course

NURS 112 - Clinical Applications in Nursing Practice

NURS 132 - Drug and Dosage Calculations I

NURS 133 - Health Assessment and Diagnostics

NURS 134 - Introduction to Nursing Concepts

NURS 142 - Drug and Dosage Calculations II

NURS 144 - Nursing Concepts of Health and Illness I

NURS 234 - Nursing Concepts of Health and Illness II

NURS 244 - Synthesis of Nursing Concepts

NURS 245 - Professional Nursing and Health Systems Concepts

Orientation

ORNT 085 - Introduction to the College Experience

ORNT 090 - First-Year Seminar: Success Strategies

ORNT 101 - College 101 - College Transition

Patient Care Technician

PCT 101 - Patient Care Technician I

PCT 151 - Patient Care Technician II

Petroleum Technology

PTRM 100 - Appalachian Petroleum Industry & Career Options

PTRM 104 - Production Technology with Hands-On Lab

PTRM 107 - Rigging for Land-Based Oil and Gas Operations with Hands-On Lab

PTRM 109 - Drilling Technology with Hands-On Lab

PTRM 113 - Free Plunger Lift

PTRM 115 - Sucker Rod Pumping

PTRM 120 - Internship/Cooperative Work-Based Experience

PTRM 150 - Drilling/Completion Operations

PTRM 202 - Well Completions Design and Operations with Hands-on Lab

PTRM 206 - Applied Chemistry for Petroleum with Hands-on Lab

PTRM 208 - Artificial Lift with Hands-on Lab

PTRM 210 - Introduction to Midstream Gas Operations

PTRM 211 - Well Control with Hands-on Lab

PTRM 213 - Gas Measurement with Hands-on Lab

PTRM 215 - Electrical, Analog, & Digital Applications for Petroleum

PTRM 217 - Petroleum Geology of Appalachia

PTRM 219 - Hydraulic & Pneumatic Applications for Petroleum with Lab

PTRM 221 - Advanced Internship/Cooperative Work-Based Experience

PTRM 223 - Well Log Interpretation Lab

PTRM 225 - Well Servicing with Hands-On Lab

PTRM 227 - Pressure Pumping Operations

PTRM 229 - Off-Road Diesel Forklift/Manlift Operations for Petroleum with Hands-on Lab

PTRM 235 - Petroleum Technology Seminar

Philosophy

PHIL 200 - Introduction to Philosophy

Physics

PHYS 104 - General Physics I

PHYS 105 - General Physics II

PHYS 115 - Applied Physics

PHYS 120 - Calculus-Based Physics I

PHYS 121 - Calculus-Based Physics II

Political Science

POLS 102 - American National Government and Politics

Psychology

PSYC 105 - Introduction to Psychology

PSYC 155 - Human Relations

PSYC 200 - Abnormal Psychology

PSYC 208 - Developmental Psychology

PSYC 210 - Child Development

PSYC 218 - Exceptional Children

Radiography

RAD 100 - Introduction to Radiography

RAD 105 - Radiography I

RAD 110 - Radiation Protection/Radiobiology I

RAD 115 - Clinical Fundamentals I

RAD 120 - Radiography Procedures I

RAD 125 - Clinical Practice I

RAD 155 - Radiography II

RAD 160 - Radiation Protection/Radiobiology II

RAD 165 - Clinical Fundamentals II

RAD 170 - Radiography Procedures II

RAD 175 - Clinical Practice II

RAD 195 - Clinical Practice III

RAD 205 - Radiography III

RAD 210 - Advanced Imaging Modalities

RAD 215 - Clinical Fundamentals III

RAD 220 - Radiography Procedures III

RAD 225 - Clinical Practice IV

RAD 255 - Radiography IV

RAD 260 - Radiography Career Prep

RAD 265 - Clinical Fundamentals IV

RAD 270 - Radiography Procedures IV

Refrigeration, Air Conditioning and Heating Technology

RAH 100 - Basic Refrigeration I

RAH 101 - Basic Refrigeration II

RAH 102 - Refrigeration Controls

RAH 110 - HVACR Piping Skills

RAH 204 - Climate Control

RAH 206 - Heating Systems I

RAH 207 - Heating Systems II

RAH 209 - Forced Air Systems/Duct Layout

RAH 211 - Air Conditioning

RAH 220 - Hydronics

RAH 235 - Comfort Cooling

RAH 250 - Alternative Energy Concepts

RAH 260 - Certification Preparation

RAH 265 - Commercial Refrigeration

Social Science

SS 207 - West Virginia and the Appalachian Subculture

SS 255 - The Global Community

Sociology

SOC 125 - Introduction to Sociology

SOC 126 - Social Problems

SOC 255 - Marriage and the Family

Speech

SPCH 101 - Interpersonal Communication

SPCH 105 - Fundamentals of Speech Communication

Substance Abuse

SA 100 - Peer Recovery Support Specialist (PRSS) Ethics

SA 200 - Substance Abuse Practicum/Clinical Experience I

SA 201 - Substance Abuse Practicum/Clinical Experience II

SA 204 - SA Field Experience (Internship)

Surgical Technology

ST 105 - Surgical Technology I

ST 115 - Clinical Practice I

ST 125 - Anesthesia/Pharmacology for the Surgical Technologist

ST 150 - Surgical Technology II

ST 155 - Clinical Practice II

ST 180 - Clinical Experience

ST 200 - Surgical Technology III

ST 210 - Clinical Practice III

ST 250 - Surgical Technology IV

ST 255 - Clinical Practice IV

ST 260 - Surgical Technology Seminar

Welding

WELD 100 - Basic Weld Inspection

WELD 102 - Basic Shielded Metal Arc Welding

WELD 110 - Intermediate Shielded Metal Arc Welding

WELD 112 - Advanced Shielded Metal Arc Welding

WELD 115 - Fabrication Drawing & Fitter Skills

WELD 202 - Beginning MIG

WELD 204 - Advanced MIG

WELD 206 - Beginning TIG

WELD 208 - Advanced TIG

WELD 210 - Flux Core Welding

WELD 215 - Metallurgy

WELD 220 - Layout and Fabrication

WELD 225 - Downhill Pipe Welding

Student Services

Identification Cards

Identification cards are issued to all on campus students (new and returning) and all current college employees. Information on requirements for presentation and use of the card as well as the replacement of lost or stolen cards is listed in the Student Handbook which is available online on the College's website, or from the Human Resource Office or from the office of the VP of Student Care & Success or designee. The ID Cards are the property of WVNCC. Students are required to obtain a new validation sticker each semester (fall, spring and summer). The stickers are available from the Campus Service Center to registered students after the final last day to pay. ID cards allow a student access to College buildings and are needed for entry by all doors other than the main building door of each campus during published hours.

Textbooks

Registration Integration transmits a student's course registration from Northern's registration system directly to the bookstore. This enables students to order textbooks at the same time they register for their courses. When students click on the "Textbook" link, their course information is transmitted to the bookstore's website and students immediately see a list of the books they need for their courses, including price, and ISBNs.

Student Activities

The Office of Student Activities provides a diverse array of events and programs aimed at fostering social, academic, cultural, and civic engagement both on and off campus. Active participation in co-curricular activities, clubs, and organizations is seen as an essential component of a student's education. As such, we offer opportunities for students to gain hands-on leadership experience through positions such as the Student Government Association, opportunities to become active in our vibrant communities through our Northern Leadership Institute and the ability to join (or create) a

student club or organization. Furthermore, we organize a multitude of educational, cultural, and social student events held throughout the year.

Examples of events and programming offered through the Office of Student Activities:

- **Chicken Fest and Welcome Week Events** – We kick off each semester with a series of events to welcome students to our campus, including Chicken Fest, which is a celebration of unity and our mascot, The Thundering Chicken!
- **Educational Programming** – We feature presentations for Women's History and Black History Month, as well as offering additional programs for students to engage in the learning process.
- **Family Programming** – Each year, we offer a variety of family programs ranging from a Children's Winter Carnival and Secret Santa Program, to family movie nights.
- **Student Governance** - To stimulate personal leadership skills and student involvement with the operation of the College, the student governance structure consists of a college wide Student Government Association (SGA) composed of student senators from all three campuses. These students are elected by students each spring. The Tri-Campus Student Government Association is concerned with institutional policies and procedures as well as campus matters. All students are encouraged to participate.
- **Phi Theta Kappa** is an international academic honorary society for community college students. Established as the Omega Epsilon Chapter in 1973, this fraternity recognizes students who have maintained academic excellence, are of good moral character, and are outstanding citizens. Membership in this honor society is by invitation only. Candidates must have a 3.5 quality point average. The chapter sponsors various activities devoted to a leadership theme.
- **WVNCC Student Nurses Association** is an organization that aids students in the Nursing Program to develop professionally by sponsoring activities and programs that enhance classroom experiences.

Additional student clubs are the Criminal Justice Club, E-Sports Club, Computer Club, Energy Technology Club, Radiology Club, Bible Club, Astronomy Club, and the Campus Activities Board. Students interested in other areas can form clubs or organizations by presenting their interests to the Office of Student Activities or the campus advisor. All organizations must be advised by a member of full-time faculty or professional staff of West Virginia Northern and have individual constitutions. Specifics on forming a student organization are listed in the Student Handbook or can be obtained from the Office of Student Activities.

Career Counseling/Career Services

Offered through the ACTion Center

Career Services offers students assistance in making career decisions, exploring career options and conducting effective job searches. Services include, but are not limited to:

Career Advising

- Individual career advising including free career assessments that assist in the identification of work interests, abilities and values.

Career Coach

Career Coach from Lightcast is a tool you can use to explore your interests and related careers. From there, you can make sure you go into the WVNCC program best aligned with your identified goals.

- **Take Career Assessment**

Take a Career Assessment to learn about yourself and Career Coach will give you career suggestions based on your interests.

- **Browse Careers**

Browse or search for careers and we will give you relevant data on wages, employment, and the training you need.

- **Browse Programs**

Browse or search for the available Programs that lead to the career you want.

- **Build Your Résumé**

Our easy-to-use résumé builder will help you create a professional résumé. Sign Up and Build Your Résumé

- **Are You a Veteran?**

Find civilian careers related to your military occupation. Get Started with Military Search

Career Coach Privacy Policy

Career Resources and Occupational Information

- Online access to career resources including guides to writing resumes, cover letters, and interviewing techniques.
- Occupational information including work tasks, potential job growth and salary information.
- Career Corners are located in the Learning Resource Center on each campus.

Events

- Workshops are offered on each campus on topics such as resume writing, interviewing skills, conducting a job search, etc. at the request of faculty and students.
- Career fairs and on campus recruiting events for local employers.

All services and programs mentioned above are free to students. Students are encouraged to create an account with Career Coach to receive job referrals.

Alumni Association

The Alumni Association is a permanent link between graduates and the College. The Association's mission is to provide services to West Virginia Northern alumni, students and the communities serviced by the College. The organization fulfills these goals by participating in community service projects, making donations to the College in various ways and working with the Student Senate and administrative offices.

Currently one of the main focuses of the Alumni Association is to act as historians for the College. This work involves compiling, maintaining and exhibiting a collection of B&O Railroad memorabilia, Hazel-Atlas Glass and glass manufactured in the New Martinsville area. The Alumni Association also coordinates programs dedicated to diversity and social justice on all three campuses.

The Association also gives special awards of recognition yearly to current students for outstanding achievements and to former graduates who have gone on to distinguish themselves in their career field.

Lifetime membership is available to those who have earned 24 or more credits at West Virginia Northern. Members can actively participate in Alumni work through four standing committees - Membership, Museum, Service (to the community at large and the College), and Ways and Means.

For more information about the Alumni Association, visit www.wvncc.edu/alumni.

Health Insurance

The College neither provides nor sponsors student health or other insurance. The cost of medical treatment or support in the event of illness or injury is the responsibility of individual students. All students are encouraged to acquire health and accident insurance if they are not already covered by parental or personal insurance plans.

Sometimes the College will provide brochures of discounted plans made available to our students but not endorsed by the College. Check your Campus Service Center for details.

Parking

The College maintains parking lots on all three campuses. Students wishing to park on campus must obtain appropriate vehicle registration tags once each academic year. All students who enroll are entitled to a vehicle tag permit. There is no fee for replacing a lost vehicle tag. Vehicles parked in restricted areas may be ticketed or towed at the owner's expense. Violation of the College's parking regulations will result in towing, a ticket and/or other penalties.

A valid handicapped sticker provided by the State Department of Motor Vehicles must be displayed on a vehicle parked in a space reserved for the handicapped.

The College assumes no liability for theft or damage to personal property or vehicles while parked in College parking lots or any other area. Cars should be locked and items secured at all times. Students should report theft or damage to the Campus Service Center as soon as possible.

For additional information regarding College vehicle regulations, see the Student Handbook.

Housing Assistance

West Virginia Northern Community College has no housing facilities. All housing arrangements are made directly between students and the owner or manager of the facility, and students are subject to the rules and regulations of that facility.

The College accepts no responsibility for off-campus housing.

Student Handbook

The student handbook can be found on the college's website under by clicking [here](#). A copy can be obtained from the Campus Service Centers.

Tuition/Financial Aid/Veterans Benefits

Tuition and Fees

Students registering for classes at West Virginia Northern Community College requires tuition be paid prior to the beginning of each semester and term. Any unpaid balances will be pursued for payment to the fullest extent in accordance with state and federal law and according to College procedures. Students registering on or after their corresponding last day to pay based on their early registration date, including those students adding classes, must make payment arrangements at the time of registration. Payment may be made by cash, check, Visa, MasterCard, Discover, American Express, or through a College-approved payment plan. Students may make payments online through their student portal accounts.

Students who have a bona fide third party agency paying their tuition will not be required to pay tuition at the time of registration provided there is written authorization in the College's Business Office that payment will be made to West Virginia Northern.

The College may administratively drop students from classes and/or withhold designated services, including evaluation of courses to be transferred from other colleges and/or universities, registration for additional courses, grade reports, evaluation of credit toward degree programs, official transcripts of credits earned at West Virginia Northern and awarding of the diploma indicating degree or certificate attainment, for students who have outstanding tuition, fees, or any financial obligations to the College or who have defaulted on any educational loans.

Residents of Belmont, Harrison, Jefferson, Monroe, Columbiana, Mahoning & Trumbull counties in Ohio may attend at a tuition rate reciprocal to the West Virginia "In-State" rate. Residents of Allegheny, Beaver, Butler, Greene and Washington counties in Pennsylvania and residents Washington county in Ohio pay a Metro rate.

Students taking college coursework while in high school are eligible for an early entrance tuition rate. West Virginia senior citizens (age 65 or older) pay half of the tuition per credit hour, for classes on a space available basis. Payment of full tuition costs assures a spot in class.

Other Fees

Students applying to limited enrollment programs will be charged a nonrefundable Application Fee. (See Health Sciences Selection and Admission Provision, Admissions/ Registration section).

Special fees include, but are not limited to an informational technology fee (per credit hour), facility fee (per semester), administrative fee (per semester), student activity fee (per semester), and a capital fee (per semester). Students will be assessed program specific fees depending on their course of study. Federal and State Perkins guidelines require an external assessment of qualified programs. Therefore, some programs contain coursework that lead to certification examinations. Fees associated with these exams are incorporated in the program fee assessed to students. Questions regarding exams or program specific fees should be submitted to the director of the academic program in which the fees are required.

Current fees can be found on the College's Web page at <https://www.wvncc.edu/free-and-favorable-tuition/tuition-and-fees-information/539>. Students can estimate the cost of their education by accessing the Net Price Calculator found on the College's website on the home page under Quick Links or wvncc.studentaidcalculator.com/survey.aspx.

Payment Plan

West Virginia Northern Community College offers an interest-free, monthly payment option to assist students in paying tuition and fees. For additional information, contact Student Services.

Tuition Refunds

Only in cases where the College cancels class or a student withdraws prior to the first day of the semester, or prior to the first day of class for classes beginning later in the semester, will full tuition be refunded. Refunds are automatically computed only for students who withdraw from all courses during the refund period.

Students who officially withdraw from a portion of their courses anytime during the first week of the refund period must request, in writing, a refund from the Chief Financial Officer/Vice President of Administrative Services. For students who totally withdraw from all classes (excluding administrative or institutional withdrawals), a percentage, based on total tuition charges, will be refunded following the schedule below. If a student has been making payments according to a payment plan, the refund percentage is based on the full amount of tuition originally owed at the beginning of the semester.

Classes canceled by the College	100% refund	Prior to the first day of semester
Prior to the first day of the semester	100% refund	Week One (Add/Drop Week)
During the first week or 13% of the term	90% refund	Week Two
Students completing 14% - 25% of the term	75% refund	Week Three and Four
Students completing 26% - 38% of the term	50% refund	Week Five and Six
Students completing 39% or more of the term	No refund	No refund issued after Week Six

In doing the calculation, should the percentage calculation identify a partial day, the entire day will be included in the higher refund period.

Fees are refundable only if classes are dropped during the 100 percent refund period. Student refunds will be sent to BankMobile and disbursed based on the student's refund preference. This applied to all refunds except early access, continuing education, and community education students. If payment was made with a credit card the credit card account will be credited, within 30 days after the official drop date. When classes are canceled, refunds will be issued as soon as possible. Students on payment plans who still owe a balance after withdrawal may have their payment plans adjusted to reflect their new account balance.

Students participating in federal financial aid programs will have their aid adjusted according to the Federal Return to Title IV policy, see "**Federal Return to Title IV Aid (R2T4)**" in this section.

BankMobile Refunds

In order to receive a refund, you must activate your BankMobile account and select your refund preference. You may select to direct deposit to your personal banking account or open a BankMobile Account. You must make this selection via Bankmobile – WVNCC cannot make this decision for you. No decision on the student's part results in a paper check issued by BankMobile.

NO PAPER CHECKS WILL BE ISSUED BY WEST VIRGINIA NORTHERN COMMUNITY COLLEGE.

To learn more about BankMobile, please visit www.RefundSelection.com or call 304-214-8811.

Tax Benefits for Education

Questions concerning individual tax credits should be directed to www.irs.gov. 1098-T documents are sent by the College according to federal guidelines and documents are accessed through the Heartland ECSI website at heartland.ecsi.net/. Students should contact the Business Office at 304-214-8811 with questions.

Financial Aid

West Virginia Northern Community College offers several types of financial assistance to aid students in meeting educational expenses. More than 90 percent of the financial aid awards are granted on the basis of demonstrated financial need; however, the College also offers awards on the basis of academic and extracurricular performance. After applying for admission, students may apply for financial assistance.

At West Virginia Northern, financial need is defined as "the difference between the cost of attendance and the amount that the student can afford to pay for the education" i.e., Expected Family Contribution (EFC). To determine financial need, the College uses information from the Free Application for Federal Student Aid (FAFSA).

Students who qualify may be awarded more than one type of aid. Awards may be combinations of gift (scholarships and grants) and self-help (loans and work) aid. Students must reapply for aid each academic year.

Applications for need-based aid other than Federal Pell Grants should be submitted by March 1 for the Fall Semester (August through December) and by October 1 for the Spring Semester (January through May). Requests submitted after these dates will be accepted and processed until all available funds are utilized. Funds will be available on or after the published refund day. Scholarships require a separate application.

It is important that students keep the Financial Aid Office informed of any changes in their plans to attend college. For example, if they have already registered for classes and decide not to attend, they should notify the Financial Aid Office in writing prior to the start of the semester. The Financial Aid Office cannot withdraw students from classes. In order to withdraw from classes, students must use their NOW account online, or contact a campus counselor directly and should confirm the withdraw has been processed.

In general, in order to receive aid students must be working toward a certificate or associate degree, not be in default on a loan or owe a repayment to any aid program at any post-secondary institution, and must maintain financial aid Satisfactory Academic Progress.

Inquiries concerning financial aid or requests for applications should be addressed to: Financial Aid Office, West Virginia Northern Community College, 1704 Market St., Wheeling, WV 26003-3643, or financialaidoffice@wvncc.edu. Financial Aid applications and forms are available on our website on the Financial Aid Office page.

Consumer Information

In keeping with the provisions of part 178 of the Education Amendments of 1976 and 1980, the following information on costs is presented. This information is subject to change by the U.S. Department of Education at anytime. Periodic changes will be published and/or in specific financial aid information sent directly to students on aid.

For financial aid purposes, an independent student is defined as a student who meets one of the following criteria: born before January 1 (per FAFSA guidelines for the applicable financial aid year), has legal dependents other than a spouse, is a veteran of the U.S. Armed Forces, married, an orphan or a ward of the court, is currently serving on active duty in the U.S. Armed Forces for purposes other than training, or who may be classified by a financial aid administrator as independent because of other unusual circumstances.

Sample campus-based budgets follow. Students may have unique circumstances that would result in deviation from this budget to determine expenses.

2025-2026 Campus-Based Budgets for In-State Residents

	In-State Independents	In-State Dependents
Tuition and Fees	4,538	4,538
Program Fee	416	416
IT Fee	360	360
Books, Course Materials, Supplies and Equipment	1,658	1,658
Transportation	1,517	1,517
Personal and Misc.	2,254	1,262
Living Expenses	8,744	4,372
Total Budget	\$ 19,487	\$14,123

2025-2026 Campus-Based Budgets for Metro Rate Residents

	Metro Rate Independents	Metro Rate Dependents
Tuition and Fees	9,170	9,170
Program Fees	416	416
IT Fee	360	360
Books, Course Materials, Supplies and Equipment	1,658	1,658
Transportation	1,517	1,517
Personal and Misc.	2,254	1,262
Living Expenses	8,744	4,372

Total Budget	27,887	22,523
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2025-2026 Campus-Based Budgets for Out-of-State Residents

	Out-of-State Rate Independents	Out-of-State Rate Dependents
Tuition and Fees	12,338	12,338
Program Fees	317	317
IT Fee	360	360
Books, Course Materials, Supplies and Equipment	1,658	1,658
Transportation	1,517	1,517
Personal and Misc.	2,254	1,262
Living Expenses	8,744	4,372
Total Budget	27,887	22,523

For current tuition and fees, see the College's Web page at <https://www.wvncc.edu/future-students/tuition-and-fees-information/539>. Budgets are subject to change. These are estimated amounts that individuals in or out of school will incur depending upon living arrangements and responsibilities. An average program fee will be added to each student budget. Students (for example, in culinary arts, nursing, and welding programs) may have budgets adjusted that reflect their higher fees.

All students seeking specific consumer information about financial aid programs or financial aid access for persons with disabilities or Spanish speaking persons should contact the Financial Aid office.

Types of Financial Aid Available

Federal Grants and State Scholarships

- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grant
- West Virginia Higher Education Grant
- West Virginia Invests Grant
- Higher Education Adult Part-Time Student Grant (HEAPS)
- Pennsylvania State Grant
- The West Virginia PROMISE Scholarship
- The West Virginia Engineering, Science and Technology Scholarship
- West Virginia Nursing Scholarship Program

Work-Study

- Federal Work-study Program.

Loans

- Federal Direct Loan (subsidized and unsubsidized).
- Federal Direct PLUS Loan.

Always review the Financial Aid Office webpage at www.wvncc.edu/offices-and-services/financial-aid/642 for updates to available financial aid funds.

Additional Loan Information

All students must complete entrance counseling and a master promissory note at <https://studentaid.gov> before receiving loan funds and complete exit counseling upon withdrawing, graduating, or dropping below half-time status.

Students who have several federal education loans may apply to have the loans consolidated into one loan, with one payment for an extended repayment period. More information is available with the loan servicer.

Students using a private loan can get the Private Education Loan Applicant Self - Certification form from the loan servicer and/or Financial Aid forms page online at www.wvncc.edu/offices-and-services/financial-aid-forms/647.

Aid Tied to Grade Level

WVNCC financial aid students will use the following grade level progression for federal Direct Loan calculations: Students will be considered "grade level one students" until they have completed 30 credit hours; students who have completed 31 hours or more are considered "grade level two students." Only A.A.S., A.S., and A.A. degree seekers qualify for level two funding.

Non-Payment for Test Outs

Because Federal Title IV aid will only pay for time spent in class, it will not pay for test outs or challenge exams. Students are expected to pay these costs.

Federal Return to Title IV Aid (R2T4)

Title IV funds are awarded to a student under the assumption that the student will attend for the entire period for which the assistance is awarded. Students who receive federal funds as part of their aid package and who either officially or unofficially withdraw from all classes during a semester, may be required to return all or a portion of those funds.

The law specifies how the College must determine the amount of Title IV program assistance that you earn if you withdraw from school. The Title IV programs that are covered by this law offered at WVNCC are: Federal Pell Grants, Iraq and Afghanistan Service Grants, Direct Loans, Direct PLUS Loans, and Federal Supplemental Educational Opportunity Grants (FSEOGs). In addition, WV Higher Education Policy Commission, requires use of the same policy for the WV Higher Education Grant and the WV Invests Grant.

Though your aid is posted to your account at the start of the term, you earn funds as you complete the semester. If you withdraw during the semester (see withdraw definitions below), the amount of Title IV program assistance that you

earned up to that point is determined by a specific formula. If you received less assistance than the amount that you earned, you may be eligible to receive those additional funds. If you received more assistance than you earned, the excess funds must be returned by the school and/or you.

The amount of assistance that you have earned is determined on a pro rata basis. For example, if you completed 30% of the semester, you earn 30% of the assistance you were originally scheduled to receive. Once you have completed more than 60% of the semester, you earn all the assistance that you were scheduled to receive for the semester. If you receive excess Title IV program funds that must be returned, the College will return a portion of the excess equal to the lesser of:

- Your institutional charges multiplied by the unearned percentage of your funds, or
- The entire amount of excess funds.

The College must return this amount even if we did not keep this amount of your Title IV program funds. If the College is not required to return all of the excess funds, then you must return the remaining amount.

Any loan funds that you must return, you (or your parent for a Direct PLUS Loan) repay in accordance with the terms of the loan master promissory note (MPN). That is, you make scheduled payments to the loan servicer over a period of time. For more information on student loan information, go to: <https://studentaid.gov/h/manage-loans>.

Any amount of unearned grant funds that you must return is called an overpayment. The maximum amount of a grant overpayment that you must repay is half of the grant funds you received or were scheduled to receive. You do not have to repay a grant overpayment if the original amount of the overpayment is \$50 or less. You must make arrangements with the school or the Department of Education to return the unearned grant funds.

The College must return Title IV funds to the federal aid programs from which you received aid during the payment period as applicable, in the following order, up to the net amount disbursed from each source:

- Unsubsidized Direct Loans.
- Subsidized Direct Loans.
- Direct PLUS Loans.
- Federal Pell Grants for which a Return is required.
- Federal Supplemental Education Opportunity Grants (FSEOG).
- Iraq and Afghanistan Service Grant.

The requirements for the Title IV program funds when you withdraw are separate from any refund policy that we offer. Therefore, you may still owe funds to the school to cover unpaid institutional charges. WVNCC will also charge you for any Title IV program funds that we were required to return. You can find our tuition refund policy earlier in this section under Tuition Refunds. The Financial Aid Office will advise you by mail of the amount of Title IV aid adjusted. If you owe a balance to the college, the Business Office will notify you of your balance due and repayment options. Failure to satisfy the amount owed in a timely manner will result in a financial hold being placed on your WVNCC records, and your obligation due turned over to our Collections Agency.

Please realize that you are not eligible to receive any financial aid if you:

- withdraw prior to the first day of the semester, or prior to the first day of class for classes beginning later in the semester, or
- have no record of class attendance or participation at all for a semester, or
- are approved for a 100% reversal of your tuition and fee charges after the beginning of a semester.

In these instances, all grant, loan, and scholarship assistance that was credited to your WVNCC Student account for the semester will be adjusted and returned to the U.S. Department of Education, and the resulting balance due WVNCC must be repaid.

Post-Withdrawal Disbursements

If you do not receive all of the funds that you earned, you may be due a post-withdrawal disbursement. If your post-withdrawal disbursement includes loan funds, we must receive your permission before it can be disbursed. You may choose to decline some or all of the loan funds so that you don't incur additional debt. We will automatically use all or a portion of your post-withdrawal disbursement of grant funds for tuition, fees, and books and supply charges.

There may be some Title IV funds that you were scheduled to receive that cannot be disbursed to you once you withdraw because of other eligibility requirements. For example, if you are a first-time, first year undergraduate student and you have not completed the first 30 days of your program before you withdraw, you will not receive any Direct Loan funds that you would have received had you remained enrolled past the 30th day.

Withdrawing or Ceasing to Attend Class

If you withdraw from school "officially" (drop your courses online through your NOW account or contact student services) or "unofficially" (stop attending and do not successfully complete ANY course with an A, B, C, or D) before the term is completed, and you receive federal student aid, a Return of Funds Calculation (R2T4) is required to be performed. This calculation may result in a portion of aid being returned to the U.S. Department of Education. You may then owe a balance to the College. Any balance still outstanding 45 days or greater will be turned over to our Collections Agency unless a payment plan has been established with WVNCC's Business Office.

Official Withdraws

To officially withdraw, you must use your NOW account online (contact your Campus Service Center for assistance). Telephone withdrawals can be taken by the Campus Counselor, Associate Registrar or Registrar only.

Unofficial Withdraws

If you do not successfully complete any course with an A, B, C, or D, you will be considered unofficially withdrawn and your Title IV aid may be recalculated based on your last day of attendance in those courses. If a last date of attendance cannot be determined, the R2T4 calculation will be taken back to the 50% point in the term if proof is not available that the student attended an academically related activity after the 60% point in at least one course. The final burden of proof of attendance is required of the student.

Flex Classes

Effective July 1, 2021, federal regulations governing the R2T4 federal aid policy have changed with regard to students who enrolled only in "flex" or "modular" classes (e.g. – classes meeting less than 16-weeks in length) during a semester. Based on these regulations, when a student is enrolled in flex classes, an R2T4 calculation must be performed whenever a student withdraws (officially or unofficially) from all classes which are meeting at that time, regardless of whether or not the student has already passed/completed a flex class earlier in the semester, or if they are enrolled in a flex class which has not yet begun within the semester; unless a student completed a combination of flex classes that equal 49% or more countable days in the payment period. In addition, a student is not considered withdrawn if they successfully complete half-time enrollment for the payment period. Such a calculation can be avoided if the student enrolls in a class which has not yet begun within the semester and the student provides written notification to the Financial Aid Office of their intention to remain enrolled in that class and to attend that class.

Balances Due

PLEASE NOTE: when Title IV funds are returned, the student borrower may owe a balance to the institution. Funds owed back to the U.S. Department of Education may be turned over to U.S. Department of Education collections at the 45 day point if not paid in full. Funds owed the institution will be sent through the College's collection process if repayment is not made according to the Business Office policy. WVNCC requires students to make financial arrangements for any outstanding balance prior to registering for the next term or obtaining any services (such as official transcripts, etc.). The Return of Funds policy requires, by federal law that students must satisfy the amount owed the federal programs before they may re-enroll in any college.

Student Loan Defaults

Students with defaulted loans are no longer eligible for any federal student aid under the student financial aid (SFA) programs. Even if a defaulted borrower's debt has been written off as uncollectable and closed out by reporting the principal amount to the Internal Revenue Service as taxable, the borrower is still considered to be in default and is ineligible for federal student aid. If a compromise agreement has been reached in which the borrower makes an agreement with the holder of the loan to settle the debt, the borrower may be eligible for additional federal student aid. If borrowers choose to reaffirm their loan obligations and make satisfactory arrangements to repay the debt, they may regain eligibility for SFA programs.

Generally, if a borrower is in default on an SFA loan held by the Department of Education or by a guarantee agency and applies for federal student aid, the Student Aid Report (SAR) received after filing the FAFSA will indicate that the borrower is in default and thus not eligible for aid under the SFA programs. If the borrower has made satisfactory arrangements to repay the loan, the SAR will indicate that the borrower is eligible but will include a warning that if scheduled payments are not made on the loan, future federal student aid will be denied.

Once students allow a loan to go into default, their opportunity to obtain a deferment may be lost, and they will not be able to receive any federal financial aid until the obligation is discharged or satisfactory arrangements to repay the loan have been made with the loan servicer. A loan servicer, however, may grant forbearance to a borrower whose loan is delinquent or in default. If a loan obligation has been discharged in bankruptcy after the borrower has defaulted, it is no longer considered to be in default; and the borrower is eligible for further federal financial student aid.

More information on student loan repayment can be found online under Student Loan Repayment options on the Financial Aid page on www.wvncc.edu/offices-and-services/student-loan-repayment-options/4283 or at www.studentaid.gov.

Scholarships and Academic Awards

West Virginia Northern and the West Virginia Northern Community College Foundation recognize academic excellence and potential for academic excellence through the awarding of various scholarships and academic awards. Students who have shown outstanding academic performance in the past or have promise of future academic achievement at Northern may apply for academic assistance by using the following application process.

Scholarship and Academic Award Application Process

To apply for any scholarship or academic award, students must submit:

1. High school transcript, high school equivalency scores from a state agency approved test program scores or diploma. If the applicant is a current Northern student and has already submitted transcripts from high school or high school equivalency scores from a state agency approved test program scores, the Financial Aid Office will gather this information from West Virginia Northern's Records Office.
2. Academic transcript(s) from all postsecondary institutions attended.

3. Typewritten letter stating educational goals and how they will benefit society.
4. One letter of reference. It is recommended that it is from either a West Virginia Northern or high school faculty/staff member.
5. A typewritten statement of involvement in community service/organizations or awards/recognitions received by applicant.
6. Completed West Virginia Northern Scholarship Application.

WVNCC Foundation Scholarships and Awards:

ANONYMOUS SCHOLARSHIP - Awarded to residents of Ohio County in Applied Technology majors with financial need. Preference is given to "non traditional" or first-generation students.

BAYER HERITAGE FEDERAL CREDIT UNION SCHOLARSHIP - Preference to a full-time incoming college student with a minimum GPA of 2.7 and in need of financial aid. Secondary preference to a part-time incoming college student with a minimum GPA of 2.7 and in need of financial aid.

COLLEGIATE ALUMNAE OF WHEELING SCHOLARSHIP - Full-time, second year WVNCC student, West Virginia resident with a minimum overall GPA of 3.0 and in need of financial assistance.

DAN WILSON MEMORIAL SCHOLARSHIP - Awarded to a full-time student on the Weirton Campus. Student must be a Business or Accounting major with a minimum overall GPA of 3.0. Preference is given to second-year students.

DR. MARY MAROCKIE TEACHING SCHOLARSHIP – Awarded to an Early Childhood Education or Education major. Must be a full-time student with a 3.0 or higher overall GPA.

EQT FOUNDATION SCHOLARSHIP - Awarded to students in the CDL program or Summer Welding Institute.

ERIKA M. BENNETT MEMORIAL SCHOLARSHIP - Full-time nursing student on the New Martinsville Campus who resides in Wetzel or Tyler county.

FLOYD W. LASURE SCHOLARSHIP - Scholarship for students at the New Martinsville Campus.

IRENE KUCAN MEMORIAL SCHOLARSHIP – Awarded to an incoming student from Brooke or Hancock counties with a minimum high school GPA of 2.0.

JACKSON FAMILY SCHOLARSHIP – Awarded to Ohio or Marshall county students with at least an overall 2.0 GPA.

JOHN C. WRIGHT SCHOLARSHIP – Awarded to a Tyler county resident with a 2.0 or higher overall GPA.

MAIN STREET BANK SCHOLARSHIP - Awarded to students majoring in business or accounting, with a minimum overall GPA of 2.0.

MEAGEL SCHOLARSHIP - Full-time student with scholastic attainment (GPA of 2.70 or higher) and financial need. Students of all majors.

MILDRED V. NIEKAMP SCHOLARSHIP - Full-time or part-time student who is a resident of Marshall, Ohio or Wetzel counties to assist with tuition, books and/or fees who are pursuing a career in Business.

OHIO COUNTY MEDICAL SOCIETY ALLIANCE SCHOLARSHIP - Awarded to a student who has completed at least one year of study in a medical related field. Students must be a resident of Ohio, Marshall or Brooke counties and have an overall GPA of 3.0 or higher

ROBERT R. LAFOLLETTE SCHOLARSHIP – Awarded to an incoming student majoring in Associate in Arts or Associate in Science.

RICK ESTEP CRIMINAL JUSTICE SCHOLARSHIP – Awarded to a full-time or part-time resident of Wetzel County who is a Criminal Justice major. Applicant must have a minimum of 3.0 overall GPA, be in need of financial assistance and a graduate of Paden City, Hundred, Valley or Magnolia high schools.

SOUTHWESTERN ENERGY COMPANY SCHOLARS PROGRAM – Awarded to students majoring in Petroleum Technology with a 2.0 or higher overall GPA.

ST. ANN'S EPISCOPAL CHURCH SCHOLARSHIP - Awarded to a second year New Martinsville campus student with a GPA of 2.0 or higher.

WALTER REUTHER SCHOLARSHIP - Up to full tuition. Requires: Full-time, first-year student with a 2.5 GPA who is a member, son or daughter or ward of a union member or a deceased union member. Applicant must reside in Belmont County (Ohio) or Marshall or Ohio County (West Virginia) and demonstrate financial need.

W. B. UMBERGER SCHOLARSHIP - Attendance at the New Martinsville Campus. Must continue to be involved in community service throughout the award period. Minimum 3.0 GPA. Preference to non-traditional students.

WVNCC Foundation Academic Awards:

JOSEPH EDDY TECHNOLOGY FUND - Requires: Students majoring in the areas of science and technology. Preference is given to students with an overall GPA of 2.5 or higher.

IRENE MINDZAK SCHOLARSHIP – Weirton campus student in good academic standing.

FRIENDS SCHOLARSHIP – when available per campus, awards are given to students on all 3 campuses. Minimum of a 2.5 GPA.

Other Student Assistance:

NSDAR – WHEELING CHAPTER, DAUGHTERS OF THE AMERICAN REVOLUTION Must have completed at least 30 credit hours. Final selection is made by the chapter. The check is presented to the recipient in October at the NSDAR Wheeling Chapter meeting for tuition and/or educational expenses.

WVNCC ACADEMIC SCHOLARSHIP - Full or Part-time Tuition. For students who plan to enter a profession that will be of service to society. Must have declared a major.

In addition to the scholarships and academic awards given by the College, the institution often recommends students for a number of awards that are granted by external agencies, such as the American Culinary Federation Institute Scholarship Foundation Program. These opportunities vary yearly, and specifics on available awards may be obtained from the Financial Aid Office.

The recipients of all scholarships or academic awards are selected and/or recommended for further consideration by the Scholarship Committee on the basis of the following criteria:

1. Number of credits for which the applicant is enrolled.
2. Applicants must possess a high school diploma, High school equivalency scores from a state agency approved test program or have certification from the high school that they are eligible for a diploma at the next commencement.
3. Applicants should be aware that high school and/or college grade point average is extremely important and is weighed more heavily than other factors.

4. Scholarship applicants for named scholarships must meet the specific curriculum requirements, residence requirements, etc., required by the individual or group awarding the funds.
5. Letter of reference, a statement of future goals, participation in school and/or community activities and previous college work will also be reviewed in the awarding process.
6. Any other appropriate data deemed relevant by the Scholarship Committee will also be used in considering applicants.
7. If, in the judgment of the Subcommittee, two candidates are deemed to be equal, the application of the last criterion for scholarship selection shall be that the recipient be a resident of West Virginia.

Scholarships which require a student to provide proof of eligibility must do so according to the timeline provided in their scholarship notification or risk loss of the scholarship. In the event the awarded student does not provide any additional requirements for proof of eligibility, the College Financial Aid Office reserves the right to cancel the student's scholarship and award available funds to another eligible student. Students awarded scholarships must also meet the requirements of the scholarship at the time of disbursement of funds. All WVNCC Foundation Scholarships are subject to change in amounts or availability based on funding levels from donors or organizations.

Financial Aid Satisfactory Academic Progress (SAP)

Federal regulations require schools offering Federal Student Aid to establish policies to monitor the academic progress of students who apply and/or receive financial aid. This policy differs from the Institutional Standards of Academic Progress. SAP describes the academic standards that students must maintain while completing their Associate or Certificate degree to maintain eligibility for financial aid. These standards consist of completing a quantitative (time-based) and qualitative (grade-based) measure, and a maximum time-frame measure (150%), which is reviewed at the end of each academic semester. Students will be notified by e-mail to their Northern e-mail address if not meeting SAP and if further requirements are necessary.

Federal Student Aid Programs Monitored by these Regulations

- Federal Direct Subsidized Student Loan.
- Federal Direct Unsubsidized Student Loan.
- Federal Direct Parent Loan (PLUS).
- Federal Pell Grant.
- Federal Supplemental Educational Opportunity Grant (SEOG).
- Federal Work-Study (CWS).

Minimum SAP Standards

1. Cumulative Grade Point Average (GPA) – minimum 2.0 required
 - Earned transfer credit will also be calculated into the GPA unless a Deletion of Outdated Coursework (see separate policy) has been petitioned with the Records Office.
2. Pace (completion) Rate – minimum 67%
 - Calculation = Credit hours successfully completed (Total PASSED) divided by Total Credit Hours ATTEMPTED.
 - All attempted* credit hours and transfer hours are calculated in the rate even if no financial aid was received for the hours.

*includes withdrawals, failed coursework, incompletes, and repeat coursework

Example: A student has attempted a total of 30 hours. In order for the student to be financial aid eligible he or she must have completed 21 hours (30 hrs x 67% = 20.1)

3. Maximum Time-Frame (150%) – Students must complete their studies within a maximum time frame that would be limited to no more than 150% of the published length of their program. All attempted and transfer coursework is included in the calculation. A student is ineligible when it becomes mathematically impossible to complete the program within 150% of the length of the program.
 - AA/AAS/AS Degree Programs: Total credit hours required are 60, the maximum time frame is 90 attempted hours (60 x 150%).
 - CAS Programs: Total credit hours required are 30, the maximum time frame is 45 attempted hours (30 x 150%).

Review of SAP Standards

1. A review will be done at the end of each semester/payment period. The evaluation period will be based on attendance in all prior semester(s) and will include all classes attempted (and transfer work) whether federal aid was received or not.
2. After the first time the student does not meet the minimum SAP standards 1 and 2 above, the student is placed into a WARNING status. Financial aid warning means that you CAN receive federal financial aid for the next semester of enrollment.
3. If, after the Warning period, the student is still unable to meet the minimum SAP standards the student is then placed on an APPEAL required status. When an appeal is required this means that you are NOT eligible for federal financial aid for the next semester. The student may appeal this decision if they have an extenuating circumstance.
4. A student not meeting the 150% Maximum Time-Frame is automatically required to submit an Academic Plan appeal worksheet. This plan may be applicable for up to 3 semesters.

Re-establishing Eligibility

If you are on an Appeal because of failure to successfully complete the Minimum SAP Standards as described above, you must successfully meet the minimum GPA and PACE percentage by taking additional classes at your own expense, or submit a SAP appeal for consideration due to extenuating circumstances. If the SAP appeal is approved, the student is placed on Probation or Probation with an Academic Plan. If denied, the student may still attend WVNCC but at their own expense unless also academically ineligible. Please review the appeal process below.

SAP Appeal Process

All students who have their financial aid eligibility suspended due to SAP may appeal to the Financial Aid Office to receive financial aid in subsequent semesters. The SAP appeal form is available online or in the Financial Aid Office.

An appeal must be based on an extenuating circumstance or situation which prevented the student from completing/passing their courses, or which required that they withdraw from classes. A work conflict, repetitive withdraws and/or failures are not extenuating circumstances. The appeal response must:

- include information describing why minimum SAP standards have not been met and how the situation has changed so that SAP will be met at the next evaluation. Not being able to concentrate on college after being in high school is not an approved reason for not maintaining SAP.
- 2nd appeals must be based on a reason different from the first.
- Detail any extenuating circumstances, including supporting documentation from a 3rd party (e.g. police reports, detailed hospital bill or physician statement, death certificate, military deployment, etc).
- Be complete and turned in to the Financial Aid Office by the deadline date for each of semester of enrollment (See SAP appeal form for current term date).

Students required to submit an Academic Plan worksheet should be worked on between the student and their Academic Advisor/Advising Center. This is a plan outlining required courses of enrollment over the next 1-3 semesters. A Northern Navigator worksheet through NOW are required as part of the appeal submission.

An appeal may be approved only if the school has determined that the student will be able to meet the minimum SAP standards after the subsequent semester. Approval of financial aid based on appeal is normally approved one time during a student's academic career at WVNCC. If a student has not achieved the minimum SAP standards after the first probationary period, the student may be ineligible for aid until the minimum SAP standards are met unless some progression towards the degree completion is evident.

Additional SAP Policies

Remedial/Supplemental/Pre-requisite Courses: A student, otherwise eligible for federal financial aid, is permitted to attempt a maximum of 30 semester hours of these types of courses while receiving financial aid. It is our best practice to encourage completion of required remedial/supplemental courses within the student's first academic year at WVNCC. At the point it becomes mathematically impossible for a student to complete all required remedial/supplemental courses within 30 credit hour attempts, the student is no longer eligible for financial aid for any remaining remedial/supplemental/pre-requisite courses.

Repeat Courses: A student may receive financial aid for repeating a previously passed (required) course once. For this purpose, passed means any grade higher than an "F", regardless of any school or program policy requiring a higher grade or measure to have passed the course. Any courses repeated will be used in the student's PACE and 150% calculations.

Incomplete Grades: Classes in which students are issued Incompletes are considered attempted hours; therefore, they are used in all SAP calculations as such.

SAP Appeal Notifications

All notifications will be sent to each student's WVNCC email address. Be sure to follow all instructions as indicated in the appeal, approval or denial notice. Some appeals may be approved with modifications, such as an approval for a reduced number of credit hours for the term in which you have applied. You may need to contact your Academic Advisor or your Campus Advising Center to adjust your schedule.

Remember: Financial aid is only applicable for courses required for degree completion. Students cannot take "filler" classes to be full-time for federal financial aid purposes, or take courses for future degree programs not required for completion of their current degree at WVNCC.

Length of Eligibility for Financial Aid

All students must complete their proposed program/degree within a prescribed period of time. The technical amendments of the Higher Education Act of 1994 require that students complete their program of study within 150% of credit hours attempted.

Following are the periods in which a program/degree must be completed and graduation requirements met.

Certificate in Applied Science:

- Full time (12 or more credits per semester) equals 4 semesters.
- Three-quarter time (9-11 credits per semester) equals 6 semesters.

- Half time (6-8 credits per semester) equals 6 semesters.
- Less than half time (1-5 credits per semester) equals 8 semesters.

Associate Degree:

- Full time (12 or more credits per semester) equals 8 semesters.
- Three-quarter time (9-11 credits per semester) equals 12 semesters.
- Half time (6-8 credits per semester) equals 12 semesters.
- Less than half time (1-5 credits per semester) equals 14 semesters.

Students who enroll for varying credit hours from semester to semester (i.e., full time one semester and halftime the other semester) will have hours earned and length of eligibility prorated.

Students who have not met the length of eligibility requirements, are in the process of applying for graduation and have used the petition process must notify the Financial Aid Office to have their eligibility reviewed.

Veterans Benefits

West Virginia Northern Community College welcomes all who have served in the Armed Forces. Whether you are a discharged veteran, still serving on active duty, in the National Guard or Reserves, or a family member, WVNCC is committed to supporting and encouraging your success. WVNCC is part of the WV 5 STAR Challenge including offering priority registration to veterans.

To apply for GI Bill® Benefits visit www.benefits.va.gov/gibill/ and select "Apply for Benefits". You may wish to utilize the GI Bill Benefits Comparison Tool at: www.vets.gov/gi-bill-comparison-tool.

Service Members who have completed at least one full year of military service may be eligible to receive two hours of physical education activity credit by submitting their DD214 (copy of member-4 form) to the certifying official.

WVNCC participates in the Section 702 benefits related to charging instate tuition, including those living in WV on active duty (and their dependents) and those funded through the Fry Scholarship. Contact the Records Office with any questions related to residency.

Students receiving benefits must achieve institutional standards of progress toward their degree in order to continue their educational benefits.

Effective August 1, 2019, per the Veterans Benefits and Transition Act of 2018, any student using Ch. 33 Post 9/11 GI Bill or Ch. 31 Veteran Readiness and Emploment benefits will not incur any penalties **after certification** and while awaiting payment from the VA, including:

- Barring enrollment
- Receiving late penalty fees
- Being required to secure alternatives or additional funding
- Being denied access to any school resources (e.g. classes, library, or other institutional facilities) available to other students who have paid.

However, please note that West Virginia Northern **will require** each student receiving VA funds to:

- Produce all required paperwork in order to be certified (e.g. DD214, Veterans Certification Sheet, etc.)
- Provide all information required of any student for admission to West Virginia Northern (e.g. Applications, SS number, transcripts, placement scores, FAFSA, etc.).

Note: The Veterans Benefits and Transition act of 2018 does not apply to students who have not provided information for certification, admission, and financial aid.

For additional information regarding your veteran educational benefits, please contact the veteran certifying official or a Campus Counselor.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at www.benefits.va.gov/gbill.

Rules, Provisions & Other Regulatory Information

Academic Rules

Academic Integrity and Student Responsibilities Rule

Academic requirements and policies determined by the College consistent with the West Virginia Council for Community and Technical College Education (CCTCE) and Higher Education Policy Commission (HEPC), West Virginia Northern Community College Board of Governors, and professional and institutional accreditation guidelines, apply to all students who enroll in credit courses and degree programs.

Academic Integrity. The College's academic program requirements are determined according to standards of each field, as recommended by qualified faculty in consultation with professionals in the field and approved by the Vice President of Academic Affairs, Curriculum Committee, and the President. Academic programs are approved by the WVNCC Board of Governors. Assignment of credit hours for each course is determined by the faculty member and approved by the Curriculum Committee. Northern follows the Carnegie Unit for amount of time classes meet. All academic programs undergo a periodic program review involving professionals in the field and other educators with reports reviewed by the Board of Governors and CCTCE. Accredited programs undergo additional review and meet specific requirements for the professional accreditation. In addition to the specific academic course and program requirements, academic policies assure the integrity of the academic experience and degree.

Assessment of student academic achievement is an important aspect of assuring achievement of state and national academic standards. This process includes the administration of standardized assessment measures that determine the achievement level of students at West Virginia Northern in specific areas and levels as compared with other students in similar levels and specialties across the country. These assessments are required of students; however, individual scores are not used as part of students' grades. Instead, it is information that permits the College to assess its strengths and needs to assure academic integrity in academic programs. Assessments are administered to students completing A.A.S. degrees to assess job-related skills as compared to specific occupational standards. These assessments are scheduled at times to make it convenient for students to participate. Completion of state mandated assessments are a graduation requirement, and failure to comply with completion of required assessments can result in a "hold" on student records until completed.

Academic Program Completion Timeline Requirements. Students are expected to complete program requirements that are listed in the catalog at their time of entry into the program provided graduation requirements are completed within five years and the student does not withdraw temporarily from the college for two consecutive semesters (excluding summer). Students who do not take courses for more than two consecutive semesters (excluding summer) must complete a new application for admission and undergo review with an academic advisor in the program to determine applicability of prior courses, which may result in a revised plan for completion of degree requirements. Students who do not complete degree requirements within five years must have a new plan for completion approved to assure the degree reflects current program competencies.

Petition for alteration in graduation and program requirements may be submitted by students who request a modification in course requirements when they can document that program competencies or general education goals have been met in other ways. This petition should be initiated by the student in consultation and with the approval of

the academic advisor and requires approval of the division chair/program director and the Vice President for Learning/Chief Academic Officer.

Course substitutions for courses no longer offered by the College can be made by the division chair/program director administering the affected courses, with the approval of the Vice President for Learning/Chief Academic Officer. Efforts are made to assist students in completing degree requirements in an efficient and timely manner.

Class Attendance and Participation. Although classes vary with regard to requirements, activities, and instructional methods, attendance and active participation are the responsibility of students who wish to succeed. Students are expected to make progress and meet course expectations in time frames outlined by the instructor. During the first week of classes, students receive instructor expectations and should clarify any questions regarding these requirements. It is the student's responsibility to consult with the instructor regarding attendance or participation problems to determine if alternative arrangements can be made.

Academic Honesty and Support of a Learning Environment. All students are responsible for their own academic work and behavior that supports a learning environment. Dishonesty results in disciplinary action such as lower grade, failing grade, administrative withdrawal, program probation, suspension or dismissal. Behavior which interferes with the rights or learning environment of others can result in administrative withdrawal, suspension, or dismissal. Students have rights to appeal such decisions consistent with rule. See Student Rights and Responsibilities.

Plagiarism includes using someone else's ideas without giving credit to that person in an appropriate citation or using someone else's words without placing them in quotation marks and/or without identifying that person in an appropriate citation.

Cheating includes such practices as receiving test answers from or giving test answers to another student, submitting another student's work or another source as one's own work (unless permitted to do so as a result of a joint assignment), stealing tests or test items, or using notes when not permitted.

Student Rights and Responsibilities

The submission of an application for admission to the College represents an optional and voluntary decision on the part of the prospective student to partake of the program and privileges offered by the College pursuant to the policies, rules, and regulations of the Board of Governors and the College. Institutional approval of that application, in turn, represents the extension of a right or privilege to join the College community and to remain a part of it so long as the student fulfills the academic and the behavioral expectations that are set forth in the policies, rules, and regulations of the College. A complete copy of academic rights and responsibilities as well as Student Code of Conduct policies, rules, regulations, disciplinary action, and appeals procedures is available at the Campus Service Center and the College's web page.

Student Academic Rights. Each student shall have the following academic rights:

1. The right to be graded or have his/her performance evaluated solely upon performance in the coursework as measured against academic standards. The student shall not be evaluated prejudicially, capriciously, or arbitrarily. West Virginia Northern Community College, pursuant to the requirements of Titles IV, VI, and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, does not discriminate against applicants, employees, or students on the basis of race, color, religion, sex, disability, age or national origin in its employment policies and/or educational programs or activities, including admissions to such. Inquiries concerning this policy should be directed to the Campus Counselor at an individual campus or by calling the Human Resource office at 304-214-8901.
2. The right to have any academic penalty reviewed.
3. The right to have access to a copy of the college catalog or program brochure in which current academic program requirements are described (e.g., required courses, total credit requirements, minimum grade point average, probation standards, professional standards, etc.).

4. The right to receive from the instructor written descriptions of content and requirements for any course in which they are enrolled (e.g., attendance expectations, special requirements, laboratory requirements including time, field trips and costs, grading standards and procedures, professional standards, etc.).

The instructor of each course is responsible for assigning grades to students enrolled in the course, consistent with the student's academic rights.

Student Rights Related to Records. Admissions records, grade reports, financial aid records and reports of disciplinary action are official student records that are maintained by the College's Records Office and Financial Aid Office. Consistent with the Family Educational Rights and Privacy Act of 1974, as amended, students are ensured the right to view the information in their own file as outlined in the law and to dispute any items that are believed not to be appropriate for the file. Copies of most items may be obtained by the student, except copies of documents provided by a third party, such as high school and other college transcripts and immunization records.

Access to records by academic advisors, counselors, and other West Virginia Northern personnel who have a need to know specific information to provide advice, counseling, and appropriate services is provided. Access to and copies of student records, such as transcripts, will not be provided to others unless specifically requested in writing by the student.

For students with outstanding financial obligations, the College may administratively drop a student from classes for non-payment.

A **"hold" on student's records** will be placed if a student's obligations to the College are outstanding. Student may not be able to register for classes or receive a diploma (if the student has graduated) until satisfactory arrangements for meeting those obligations are met.

Directory information. WVNCC designates the following categories of student information as public or "Directory Information." This information may be disclosed by WVNCC for any purpose, at its discretion:

- Name of Student.

Designation of Limited Use Directory Information. WVNCC designates the following categories of student information as "Limited Use Directory Information."

- Age of Student.
- Awards.
- Campus.
- City and State of residence.
- Class Status (i.e., freshman).
- Dates of Attendance.
- Degree(s) and Date(s) Conferred, including anticipated graduation dates.
- Enrollment Status (i.e., full time or part time).
- Honors.
- Major Field of Study.
- Official Address.
- Participation in Officially Recognized Activities and Sports.
- Photographs, videos or other media containing a student's image or likeness (collectively "Student Images").
- Place of Birth.
- Telephone Number.
- WVNCC issued student electronic mail addresses ("Email Addresses"). Accordingly, this information will not be provided to external parties not contractually affiliated with WVNCC. Use and disclosure of this information shall be limited to (1) publication on websites hosted by, on behalf of, or for the benefit WVNCC; (2) those officials within WVNCC who have access, consistent with the Family Educational Rights and Privacy Act, to such information and only in conjunction with an official institutional purpose.

Rights related to membership in College community. Enrolled students are extended rights and privileges as part of the College community so long as the student fulfills the academic and behavioral expectations that are set forth in the College's policies, rules, and regulations. These rights include essential freedoms of scholarship and inquiry central to all institutions of higher education, access to campus resources and facilities, freedoms of expression, association, rights to privacy and confidentiality of academic and disciplinary records, and rights of due process as are applicable to them.

Standards of Conduct. All students are subject to, and are required to comply with, observe, and obey the laws of the United States and the State of West Virginia; ordinances of local, city, county, and municipal governing bodies; policies, rules, and regulations of the College, its governing board, the Council for Community and Technical College Education (CCTCE), and the Higher Education Policy Commission (HEPC); and the directions and orders of the officers, faculty, and staff of the institution who are charged with the administration of institutional affairs and WVNCC Student Code of Conduct.

Failure to meet standards of conduct can lead to disciplinary action with sanctions including warning, probation, suspension, or expulsion. Failure to meet standards of conduct will be evidenced by, but not limited to, failure to comply to laws, ordinances, policies, and appropriate institutional instructions; disorderly conduct; theft or damage to property; disruption or interference with the rights of others; disruption or interference with an institutional activity, program, meeting, classroom, clinic, or laboratory activity, or other operation; hazing; firearms rule (bringing illegal firearms, explosives, weapons of deadly force, or other weapons of mass destruction on school property), or participation in discrimination activities.

Disciplinary action is taken consistent with the seriousness of the alleged offense and with due process consistent with CCTCE and HEPC guidelines and as outlined in the College's procedures. Disciplinary sanctions of suspension or expulsion imposed by any public state college or university in West Virginia apply to the person sanctioned not only at the institution where the sanction was imposed, but shall also be effective at all institutions in the public higher education system. Disciplinary suspension and expulsion may be noted on the college transcript.

Academic Responsibilities. Students are expected to adhere to academic standards in all academic settings, classrooms, laboratories, clinics, and any other activities that are part of academic requirements. Normally, students may finish a program of study according to the requirements under which they were admitted to the program. However, requirements are subject to change at any time, with reasonable notice provided to the students.

Failure to meet academic requirements, including those for academic honesty, may be subject to one or more of the following penalties:

1. A lower grade or failure of the course or exclusion from further participation in the class (including laboratories or clinical experiences), all of which may be imposed by the instructor.
2. Academic probation as determined and defined by the College.
3. Academic suspension as determined and defined by the College.

Academic dismissal is defined as termination of student status, including any right or privilege to receive some benefit or recognition or certification. A student may be academically dismissed from a limited enrollment program and remain eligible to enroll in courses in other programs at the College, or a student may be academically dismissed from the College and not remain eligible to enroll in other courses or programs at the College.

Academic Appeals may be used by a student who feels he or she has received a final grade in error or feels he or she has been dismissed from a program in error. There are specific deadlines. Refer to the College website, Academic Affairs, Student Rights and Responsibilities, for guidance.

Standards of Academic Progress Rule

Rule. Any student who does not meet the Standards of Academic Progress after his/her first semester will be placed on Academic Warning. A student's academic progress is computed at the end of each fall and spring semesters and the

summer term. Transfer students are evaluated after his/her first semester at WVNCC and transfer coursework is considered in the cumulative GPA. The Academic Progress criteria is below:

Standards of Academic Progress Criteria. The criteria for Standards of Academic Progress are a cumulative grade point average (GPA) of at least 2.0 and a semester GPA of at least 2.0.

Academic Warning Requirements. A student is placed on Academic Warning for the semester after the student's cumulative GPA or semester GPA falls below a 2.0. The student will be notified in writing by the Enrollments Management Office and the student is recommended to review his/her status with his/her academic advisor. The student is limited to no more than 12-15 credit hours.

Academic Warning will not be notated on the official college transcript. Students whose cumulative GPA is below a 2.0, particularly due to transfer credits or academic history from the past, but who achieve or maintain a semester GPA of 2.0 will remain on "academic warning" until their cumulative GPA is above 2.0, but will not be subject to academic probation unless a semester GPA falls below the 2.0 requirement.

Academic Probation Requirements. If, during the next semester of enrollment after Academic Warning, the student's semester GPA remains below a 2.0 then the student will be placed on Academic Probation. The student will be notified in writing by the Registrar's Office. The student is limited to no more than 12 credit hours. Academic Probation will not be notated on the official college transcript.

At the end of the semester on Academic Probation, a student who fails to have a 2.0 semester GPA will remain on Academic Probation. The student is limited to no more than 12 credit hours.

Students who have been put on Academic Probation who achieve a semester GPA of 2.0 or higher, but have a cumulative GPA of less than a 2.0 will remain on Academic Probation. If the student has attained a semester GPA of 2.0 but still has a cumulative GPA of below 2.0, the student may be allowed to register for a maximum of 15 credit hours with the academic advisor's approval.

Students who meet the criteria for Standards of Academic Progress by having both a semester GPA of 2.0 and a cumulative GPA of 2.0 will be removed from Academic Probation and will be reinstated to good academic standing.

Academic Suspension Requirements Students who fail to meet the criteria for Standards of Academic Progress after two consecutive semesters of Academic Probation may be suspended for the next semester from all classes for failure to adhere to the terms and conditions of Standards of Academic Progress. Upon returning to school, if they fail to meet Standards of Academic Progress a third time, they may be suspended for one year. Students who return to school after a period of suspension are still subject to the terms and conditions of the initial notice of Academic Probation unless they appeal the decision in writing to the Committee for Standards of Academic Progress and can show compelling reasons why they should be released from those terms and conditions. Academic Suspension will be notated on all official college transcripts.

Provision Exceptions. This rule does not supersede Financial Aid Satisfactory Academic Progress for students on financial aid or for students admitted to specific College programs that have their own Standards of Progress guidelines, such as those in Health Sciences or due to pathway agreements with other colleges or institutions.

Students who have extenuating circumstances beyond his/her control that led to unsuccessfully completing the required number of credit hours or maintaining Standards of Academic Progress may request a waiver of Academic Probation. This requires a written statement explaining the circumstances and providing evidence of how they will meet Standards of Academic Progress if probation is waived. Decisions on waiver requests will be made by the Committee for Standards of Academic Progress, after consultation with the student's academic advisor. The decision of the committee is final. A student is allowed only two consecutive waivers in their academic career. Students on Academic Warning are not eligible for waivers.

Grading Rule

Policy: West Virginia Northern Community College uses a letter grade system to indicate the quality of coursework performed by students. The following marks are designated for use. Definitions and quality points, where appropriate, are shown:

Grading and Meaning	Quality Points Per Credit Hour
A - Excellent	4 quality points per credit hour
B - Above Average	3 quality points per credit hour
C - Average	2 quality points per credit hour
D - Below Average	1 quality point per credit hour

Not acceptable as passing in some programs; may not be transferable as passing to some colleges.

F - Failure (non-passing grade)	0 quality points per credit hour
I - Incomplete	0 quality points per credit hour

An "I" grade indicates that a student has met attendance requirements, if any, is doing passing work, and has satisfactorily completed all assignments, requirements, and/or exams up to that point, but is unable to complete the end term requirements (generally the last 1-2 weeks of the semester) before grades must be submitted because of extreme factors (such as illness or emergency) beyond the student's control. In such instances, the student must contact the faculty member before final grades are submitted for that semester and request an incomplete. If the faculty member is willing to grant the incomplete, a written form is completed by the faculty member and submitted to the Registrar's Office identifying specific requirements to be met. The "I" grade may be replaced by a regular letter grade by the faculty member (or Division Chairperson if faculty member is no longer available) if the coursework is completed by the following deadlines: For Spring Semester and Summer Semester courses, work must be complete prior to December 1 of the following Fall Semester, unless an earlier deadline is specified by the faculty member granting an Incomplete. For Fall Semester courses, work must be completed prior to May 1 of the following Spring Semester, unless an earlier deadline is specified by the faculty member granting an incomplete. No time extensions are allowed. An incomplete grade not made up by the established deadline automatically becomes an "F". Semester and Cumulative Grade Point Averages will be recalculated upon completion of the Incomplete or when the Incomplete becomes an F, if not completed. This will affect Standards of Academic Progress and may affect Financial Aid Satisfactory Academic Progress, and therefore financial aid eligibility.

K - Credit	0 quality points per credit hour
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Credit without a grade, in courses designated in the catalog as graded on a "credit- no credit basis" and for credit earned by examination. "K" grade is defined as equivalent to "C" or higher.

N - No Credit	0 quality points per credit hour
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Used to designate no credit earned in courses designated in the course description in the catalog as graded on a "credit- no credit" basis.

R - Re-enroll	0 quality points per credit hour
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Indicates that a student's progress is satisfactory, but course competencies have not been mastered. The student should re-enroll in the course. No quality points are awarded.

W - Withdrawal	0 quality points per credit hour
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Indicates official withdrawal prior to the beginning of the 11th week of class. For short-term classes and summer classes, the "W" must be issued before 60% of the class sessions have concluded. These withdrawal dates will apply to all student-initiated withdrawals and faculty "administrative withdrawal" where the instructor determines that the student cannot meet course requirements because of irregular class attendance or failure to successfully complete assignments. Administrative withdrawal may be processed at any time during the semester by the instructor of a course if the instructor dismisses the student for disruptive behavior that interferes with the learning environment or other disciplinary reasons. The Business Office, at any time, may also initiate an "institutional withdrawal" for non-payment of tuition, fees, or any monies due to the college. Students should refer to the Student Rights and Responsibilities in the catalog. A total withdrawal from the institution will be allowed at any time before the last week of a semester (not including final exam week). The student will receive a "W" grade for all ungraded courses at the time of withdrawal. Beginning with the Fall 2012 semester, the "W" grade will be included in attempted hours. This change will not affect the GPA.

X - Audit

0 quality points per credit hour

Indicates the student registered as an audit student and participated but did not earn credit. A student may switch from credit to audit or audit to credit only during the first two weeks of a semester class or comparable period in short-term classes or summer session.

Z - No Grade Reported

A "Z" grade indicates that the faculty member has not submitted a grade.

or ## - Not counted in GPA

A # or ## after a grade indicates that the grade is not calculated in the student's grade point average.

Grade Point Average (GPA) is determined by computing the total number of quality points earned in 100 level or above courses and dividing by the total number of credits in 100 level or above courses in which registered. Cumulative GPA is determined by computing the total number of quality points earned in 100 level or above courses in all eligible college courses taken. Grades in courses transferred from other colleges are included and considered consistent with West Virginia rule.

A in 3 credit hour course (3 x 4) = 12 quality points

B in 4 credit hour course (4 x 3) = 12 quality points

C in two 3 credit courses (6 x 2) = 12 quality points

D in one 2 credit course (2 x 1) = 2 quality points

F in one 3 credit course (3 x 0) = 0 quality points

I in one 0 credit course (0 x 0) = 0 quality points

HERE IS AN EXAMPLE:

38 quality points divided by 15 credits = 2.33 GPA

38 quality points divided by 18 credits = 1.80 GPA

Grades are submitted by faculty members immediately after the end of each course or term or when a grade change is made. Official grades are available online and will be posted on Northern on the Web for students to view and print unofficial copies usually within 10 days from the end of the semester. Students needing an official copy of their grades should do so by requesting an official college transcript. Grades are not available to students who have outstanding financial obligations to the College. Grades are not posted or provided via telephone to assure privacy.

Grade changes can be made only by the course instructor. Grade changes must be made by the end of the next term in which the grade was received, excluding summer sessions, or by grade appeal or approval of the Registrar and the Vice President for Learning/Chief Academic Officer.

Transfer Credit. Based on official transcript information, credit for courses taken previously at other regionally accredited institutions are accepted and treated as if taken at WV Northern. Courses from unaccredited colleges are evaluated on an individual basis. Courses are evaluated toward the degree requirements at WVNCC; therefore, some transfer courses may meet degree requirements and others may count as electives. Courses taken at other WV public colleges and listed on the "Core Coursework Transfer Agreement" will fulfill appropriate general education requirements.

Effective with the Fall 2014 semester, only the grades of A, B, C, and D (or the equivalent) will transfer to WVNCC for newly admitted transfer students. The transfer grade of F will be noted on the transcript as TR-F and count toward attempted hours, but will not be calculated in the grade point average. Students who transferred prior to Fall 2014 will follow the policy in effect at the time they were admitted and will have all grades transcribed.

West Virginia Northern Community College's Deletion of Outdated Course Work from Computation of Grade Point Average policy will be used with "F" grades prior to Fall 2010. "F" grades will be noted on the transcript (***) and count toward attempted hours, but will not be calculated in the grade point average.

In many instances, the College has adequate course information from other area institutions. In other instances, students should be prepared to provide additional information to permit an adequate review. Students are urged to resolve questions about transfer credit prior to enrolling or no later than the first semester of attendance at WVNCC. Students are also cautioned to read and understand all academic policies especially as applied to graduation.

Transcripts

Students may request an official transcript of completed coursework at any time. The College uses the National Student Clearinghouse etranscript service for all transcript requests. The link to the etranscript process can be found by visiting www.wvncc.edu. If a student has an outstanding hold on her/his account, a transcript will not be provided until the obligation is satisfied.

'D' and 'F' Repeat Provisions

Consistent with West Virginia Council for Community and Technical College Education and Higher Education Policy Commission rules, if a student earns a grade of "D" or "F" (including failures because of regular and/or irregular withdrawal) on any course taken no later than the semester or summer term during which the student attempts the 60th semester hour, and if that student repeats this course prior to the receipt of a baccalaureate degree, the original grade shall be disregarded and the grade or grades earned when the course is repeated shall be used in determining his/her grade point average. The original grade shall not be deleted from the student's record. Financial aid will pay for only one repeat of a previously passed course. See financial aid SAP policy for more details.

Academic Forgiveness Provisions

In addition to the "D" and "F" repeat provisions, the College will grant students' requests for deletion of grades for courses taken under the following conditions for purposes of grade point average required for graduation:

- Students must not have been enrolled in college on a full-time basis during any semester or term in the last four consecutive years.
- Only grades for courses taken at least four years prior to the request for academic forgiveness may be disregarded for grade point average computation.

- In cases where grades may be disregarded for grade point average computation, these grades shall not be deleted from the student's permanent record.
- In instances where students request and gain academic forgiveness and then transfer to another institution, the receiving institution is not bound by the prior institution's decision to disregard grades for grade point average computation.

'C' or Higher Grade Repeat Provision

A student may repeat a course in which a grade of "C" or higher was earned. All grades will be calculated in the grade point average. The original grade will not be deleted from the grade point average. Credit hours from repeated courses can only be applied once toward completion of degree requirements. Financial aid will pay for only one repeat of a previously passed course. See financial aid SAP policy for more details.

Graduation Requirements / Certificate or Degree Program

Program requirements in the catalog at the time a student is admitted in an academic degree program will be utilized for certification that a student has completed appropriate degree requirements for graduation provided that graduation requirements are completed within five years. Students may elect to meet program requirements in the current catalog, provided all requirements in the current catalog are followed. Students who do not complete graduation requirements within five years will follow the catalog in effect at the beginning of the sixth year or the year of subsequent re-enrollment. It should be noted that students who do not take West Virginia Northern courses for two consecutive semesters (excluding summer) will be required to complete a new admission application for re-admission and will follow the program requirements in effect at the time of readmission.

Students are urged to work with the academic program advisor concerning any questions regarding graduation requirements. Part-time students who complete courses over a number of semesters will need to plan carefully since programs are frequently updated to maintain currency in career requirements. Substitutions for courses no longer offered by the College may need to be made.

The Records Office certifies students have completed all academic requirements for the awarding of the degree.

If an academic program is terminated, students impacted will be notified in accordance with Council for Community and Technical College Education and Higher Education Policy Commission procedures, and the College will offer the courses needed by currently enrolled students and assist the currently enrolled students in completing the degree program. Generally, a two-year program will continue for a year after the decision for termination is made.

Graduation Requirements - General. All students who graduate from West Virginia Northern will document completion of the following requirements in addition to those required for specific degrees:

- Earn the minimum number of credit hours of academic credit required in the individual's degree program in the specific courses required as certified by the program faculty.
- Demonstrate basic proficiency in reading, English and math as evidenced by demonstration of proficiency on placement tests or completion of the required supplemental coursework and program coursework prerequisites.
- Achieve a 2.0 or higher cumulative grade point average on all college work that is not excluded in the computation of GPA as a result of applying other West Virginia Northern policies such as that for outdated coursework.

- Complete a minimum of 15 semester hours of credit at West Virginia Northern Community College, including the Board of Governors and Occupational Development programs (an exception for Board of Governors major student).
- Fulfill all obligations to the College.
- Complete a First-Year Seminar course within the first year of enrollment. This requirement is limited to students entering Northern as first-time freshmen.
- Complete all college-level courses with a grade of "D" or better unless requirements that are more rigorous are required for a specific major.

Commencement ceremonies are conducted in May at the conclusion of the spring semester. Students who have completed graduation requirements during that year are invited to participate. Specific information is provided when students are provisionally certified for graduation. Diploma covers are presented to those attending the commencement ceremony. Diplomas are mailed to graduates once all degree requirements are certified.

Academic Honors

Students achieving academic success are recognized each semester by three distinctions. The deadline for being recognized for fall honors is February 1, and for spring honor recognition is September 1. The deadline for updating honors on academic transcripts is May 1 for fall courses and December 1 for spring courses. These academic honors are:

Merit List – is for students who earn at least six semester hours in credit classes and have a semester grade point average of 3.25 or higher, including courses numbered below 100 in this catalog.

Dean's List – is for students who earn at least nine semester hours in credit classes and have a semester grade point average of 3.5 or higher, excluding courses numbered below 100 in this catalog.

President's List – is for students who earn at least 12 semester hours in credit classes and have a semester grade point average of 4.0, excluding grades earned in courses numbered below 100 in this catalog.

Honorary Societies

Students who demonstrate academic excellence may be invited to membership in the local chapter of Phi Theta Kappa (PTK), a national honorary society for community and junior college students. Membership in Phi Theta Kappa honorary society is noted on diplomas of members. In addition to PTK, Lambda Nu (LN) is a national honor society for the radiologic and imaging sciences, open to students in the Radiography program who have earned a 3.0 or higher GPA. Its objectives are to "foster academic scholarship at the highest academic levels, promote research and investigation in the radiologic and imaging sciences, and recognize exemplary scholarship." (See Student Organizations, Student Services section).

Graduation Honors

Graduates with an overall grade point average of 3.25 or higher at the end of the fall semester are designated as honor students at the graduation ceremonies.

An Associate degree level student achieving the highest cumulative grade point average and completing the least number of credit hours is recognized as the valedictorian of the graduating class.

Consumer Rules

Equal Opportunity and Affirmative Action Rule

West Virginia Northern Community College is morally and legally committed to a rule of equal opportunity and prohibits discrimination with respect to race, sexual orientation, gender, age, color, religion, disability, veteran status and national origin for all employees, students, prospective students and applicants for employment. West Virginia Northern Community College neither affiliates with nor grants recognition to any individual, group or organization having such discriminatory policies or practices.

This rule extends to all West Virginia Northern Community College activities related to the management of its educational, employment, financial, business and other affairs. It applies to all personnel management practices including, but not limited to, recruiting, hiring, transfer, promotion, training, compensation, benefits, layoff and termination. West Virginia Northern Community College is committed to maintaining an atmosphere that is free of discrimination and harassment in any form.

West Virginia Northern Community College will continue to take affirmative action measures to ensure the entry of qualified minorities, women, veterans and the disabled as defined by law into the faculty, staff and student bodies.

In education, equal opportunity on a merit basis is fundamental to equality in all other forms of human behavior; therefore, commitment to this goal is required of every College employee.

Any infractions of this rule will be subject to disciplinary actions as deemed appropriate and defined by College Rule. Inquiries concerning this rule should be directed to the Director of Human Resources, Robert Brak, who is designated coordinator for Title IX and Section 504. His telephone number is 304-214-8901 and his office is located in Room 119, B&O Building, Wheeling campus. His email address is rbrak@wvnc.edu.

Sexual Discrimination/Harassment Rule

Students at West Virginia Northern Community College are entitled to an educational environment free from all forms of sexual harassment.

No member of the College community may engage in sexual harassment or discrimination against another or conduct herself/himself in a manner that creates a hostile or offensive learning environment. It is the responsibility of any student who knows about sexual harassment or discriminatory conduct to bring it to the attention of a College official.

Sexual harassment includes any unwelcome sexual advances, requests for sexual favors or other verbal or physical conduct of a sexual nature. It is a form of sex discrimination that is both reprehensible and unlawful.

Students should feel free to make complaints concerning allegations of sexual harassment. To the extent possible, strict confidentiality will be maintained in all investigative procedures.

Students who believe that they have been the subject of sexual harassment or discrimination should contact the Campus Counselor for guidance and clarification of complaint procedures.

If a student charges sexual harassment, the Code of Conduct or Academic Sanctions and Appeals Provision applies.

Resource materials regarding sexual harassment are available in the campus Learning Resource Centers. Additionally, the College has a sexual assault rule. For a complete version of the rule, contact the Human Resource Office or Office of the Vice President of Student Services.

Firearms Rule

Firearms, explosives, weapons of deadly force, or other weapons of mass destruction are not allowed on the property except for legally authorized law enforcement officials. The Campus Self-Defense Act Effective July 1, 2024, authorizes any individual with a valid concealed carry permit recognized by the state of West Virginia to carry concealed firearms on campus except for designated no-carry areas.

Any infractions of this rule will be subject to disciplinary actions as deemed appropriate that may include reprimand, probation, suspension, expulsion and referral to law enforcement agencies. Action for visitors may include removal from the premises, future ban from premises, referral to law enforcement agencies, etc. Infractions of this rule should be reported immediately to the Human Resource office, Campus Dean, other college official or law enforcement agency.

Drug-Free Schools and Communities Information

The purpose of this information is to comply with the Drug-Free Schools and Communities Act of 1989 and the Drug-Free Work Place Act of 1988.

This information applies to the entire College community, including students, faculty, staff and visitors to any of the campuses or classroom buildings.

Standards of Conduct: The unlawful manufacture, distribution, dispensing, possession or use of illicit drugs and alcohol on West Virginia Northern Community College property or as a part of any College activity is prohibited. It is prohibited to come to work, class or any College-sponsored function under the influence of alcohol or illicit drugs.

Disciplinary Sanctions: Consistent with College, local, State and Federal laws, the College will impose disciplinary sanctions for violation of the standards of conduct outlined above and prohibited in the Drug-Free Schools and Communities laws. Violations could result in expulsion from school, termination of employment and/or referral to law enforcement agencies as is consistent with College policies. Federal trafficking penalties include substantial fines and imprisonment up to life. West Virginia Law provides for penalties dependent on the classification of the substance, the activity involved and other convictions. The most severe penalties are for possession with intent to sell. Convictions may provide for fines and/or imprisonment with the amount and time dependent upon other factors.

College sanctions will be consistent with procedures used in other disciplinary actions as described in the Student Code of Conduct and Governing Board rule. For employees, sanctions may include oral warning, written reprimand, suspension, termination and referral to law enforcement agencies. Disciplinary sanctions for students may include reprimand, probation, suspension, expulsion and referral to law enforcement agencies. Action for visitors may include referral to law enforcement agencies.

Health Risks: There are many known health risks linked to the use of alcohol and illicit drug use. Preventable illness, disabilities and deaths are estimated to affect 25.5 million Americans.

Alcohol: Alcohol abuse is often characterized by one of three different patterns: (1) regular and daily use, (2) drinking large amounts of alcohol (binging) at specific or irregular times, or (3) periods of sobriety interspersed by periods of heavy drinking and intoxication. The disorder is progressive and can be fatal. If you recognize any tendencies toward alcohol abuse in yourself, your friends or loved ones, please seek help as outlined below.

HEALTH RISKS OF OTHER DRUGS INCLUDE:

Narcotics (including opium, morphine, codeine, heroin and others): Physical addiction, loss of awareness, respiratory restriction and possible death.

Depressants (including barbiturates, Quaaludes and others): Slurred speech, disorientation, shallow respiration, coma is likely with overdose.

Stimulants (including cocaine, amphetamines and others): Increased heart rate and blood pressure, possibly leading to death; increased excitation; loss of appetite.

Hallucinogens (including LSD, "mushrooms," PCP, mescaline and others): Illusions and hallucinations; poor perception of time and distance; psychotic and unpredictable behavior, often leading to injury and arrest. Symptoms may reappear (flashback) some time after use.

Cannabis (marijuana, hashish, THC and others): Unrealistic euphoria, diminished inhibitions, disoriented behavior, diminished motivation, increased pulse.

Counseling and Referral Assistance: Help and referral are available in each Campus Counselor's Office. Services are confidential. A listing of some available community resources is in the Student Handbook and in the Campus Counselor's Office on each campus. There are many resources to help you or anyone you care about find treatment.

Additional information is available in the Student Handbook.

Compliance Notifications

The College provides annual notification to students (and faculty, staff as required by law) under the provisions of the Higher Education Act of 1974, as amended, for compliance with Student Right to Know Reporting and under provisions of the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1998 (Clery Act) relating to Campus Crime Reporting/Disclosure. The College has available in written form through Campus Student Service Centers required statistics and publications which are also posted on its website. The College complies with the Timely Warnings notification of the Clery Act, as needed.

Red Flag Rules

The Federal Trade Commission (FTC) www.ftc.gov, the federal bank regulatory agencies, and the National Credit Union Administration (NCUA) www.ncua.gov have issued regulations (the Red Flag Rule) requiring financial institutions and creditors to develop and implement written identity theft prevention programs, as part of the Fair and Accurate Credit Transactions (FACT) Act of 2003. In compliance to this new rule, West Virginia Northern Community College has established a policy to respond to fraud and activity duty alerts. The College will properly dispose of consumer report information and provide information to victims of identity theft. We will properly handle notice of identity theft and respond to any notification received from identity theft to prevent refurnishing blocked information. West Virginia Northern Community College will comply with the rules regarding sharing information with affiliates and provide an oral, written, or electronic notice when a possible flag has been set. The College will also comply with the guidelines adopted by the Federal banking agencies, and the FTC for use when furnishing information to a Credit Reporting Agency (CRA) regarding the accuracy and integrity of the information relating to the consumer that such entities furnish to CRAs. We will provide notice regarding negative information and take appropriate action when receiving a notice of discrepancy in the consumer's address.

Catalog Rule

This catalog is provided for informational purposes to students/applicants and contains official announcements of College rules, programs of study and courses offered. This catalog does not constitute a contract, expressed or implied, between any applicant, student or graduate of West Virginia Northern Community College. The College reserves the right to appeal, revise or amend information contained herein.

Interim catalog addenda may be issued during the life of this publication. It is the responsibility of the student to read and abide by the catalog and any subsequent addenda that may be published.

Students enrolling at West Virginia Northern Community College must follow the program requirements in the catalog in effect at the time of entry into the College (provided graduation requirements are completed within five

years). Students have the option of meeting program requirements in a later catalog, provided all requirements of the later catalog are met.

Securing a degree does not guarantee employment. Employment is a contract/agreement between employee and employer; the College is not responsible for the hiring decision of any employer.

State Authorizations for Distance Education

West Virginia Northern Community College is working in good-faith to achieve compliance as established in HEOA 600.9 (c):

"If an institution is offering postsecondary education through distance or correspondence education to students in a State in which it is not physically located or in which it is otherwise subject to State jurisdiction as determined by the State, the institution must meet any State requirements for it to be legally offering postsecondary distance or correspondence education in that State. An institution must be able to document to the Secretary [of Education] the State's approval upon request. (Authority: 20 U.S.C. 1001 and 1002)"

Complaint Resolution

In compliance with the new regulations, an institution offering distance education must provide enrolled and prospective students with contact information for filing complaints with its accrediting agency, the West Virginia State SARA portal entity, and with the appropriate state agency for handling complaints in the student's state.

SARA Complaint Process

Students who are enrolled in a WVNCC course who have a complaint about a course or experience should follow WVNCC's complaint, grievance, and appeal procedures.

Students located in a State Authorization Reciprocity Agreement (SARA) state who have a complaint about WVNCC, must first go through the standard procedure for resolution of student grievances. If a student is not satisfied with the outcome of that process, a complaint may be brought to the WVNCC SARA portal entity. The SARA portal entity in the state where the student is located will be notified that the complaint was received and may assist as needed. Resolution of the complaint by the SARA portal entity in the institution's home state is final.

Examples of types of student complaints that may be brought to a SARA portal entity include, but are not limited to, complaints regarding accuracy of job placement data, tuition or fee information, accreditation, whether a program meets licensure requirements, or course transfer information. Grade appeals and student conduct appeals are not allowed under SARA.

Complaint Resolution Contacts By State

In compliance with Federal Department of Education regulations, click this link: [Student Complaint Information by State and Agency Student Complaint Information by State and Agency](#) for information about filing consumer complaints in the states in which WV Northern Community College offers distance education programs.

If you need additional assistance in locating state complaint procedures, please contact Janet Fike, Vice President of Student Services at 304-214-8845, jfike@wvncc.edu

WV Northern Community College Accreditation

WV Northern Community College is regionally accredited by the Higher Learning Commission of the North Central Association. The Commission has authorized WV Northern Community College to offer all its associate and certificates online. Click [here](#) for information about filing a complaint.

WV Northern Community Student Grievance Procedure

WV Northern Community College has a Student Grievance Process and form that you are encouraged to utilize. For information or questions about this procedure, contact the Vice President of Student Services, 304-214-8845, jfike@wvncc.edu.

Academic Support Services

Academic Resource Centers

All three West Virginia Northern Community College campuses provide student support through the Academic Resource Centers (ARC) which consists of the Academic Support Center (ASC) and the Learning Resource Center (LRC/Library). The centers located on each campus are staffed by professionals and paraprofessionals who provide academic and personal skill development opportunities. The centers provide students with the following:

- individual and interactive academic spaces
- programs that enhance academic success
- research assistance
- guidance in using their student portal and D2L system
- tutoring support, including an online tutoring option
- ADA accommodation support and services
- mentor student through the FYS class, intended to connect students to the college community
- provide counseling and mental health referrals
- offer individualized placement testing, including test practice
- professionals who provide individualized support to students.

Academic Alert Program

The Academic Alert System is a proactive communication tool that allows instructors to voluntarily alert students regarding their progress. Alerts can be issued to redirect or reaffirm student learning.

Accessibility & ADA Accommodation

West Virginia Northern Community College is committed to assuring that students with disabilities are afforded the same opportunities and the same responsibilities as all other students.

To Register with Accessibility Services:

Contact the ASC on your campus to schedule an appointment for intake and registration. Accessibility Counselors work with faculty, staff, and community agencies to arrange for reasonable and appropriate accommodations.

Wheeling Campus 304.214.8923 asc@wvncc.edu	Weirton Campus 304.723.7514 asc@wvncc.edu	New Martinsville Campus 304.510.8773 asc@wvncc.edu
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IMPORTANT: : Documentation should be provided during the intake and registration appointment. This needs to take place well in advance of coursework, to allow time for coordination of accommodation with faculty, staff, and other service providers or to secure equipment which may be necessary.

Academic Recovery Program (ARP): ASC staff serve as Academic Recovery Mentors who work with students on Academic Probation to articulate a plan for recovering their GPAs and maintaining good academic standing.

Brightspace Assistance: ASC staff are well prepared to help students develop proficiency using Brightspace, WVNCC's learning management system (LMS).

Counseling Referrals & Mental Health Support: The ASC can provide assessment tools and referrals for personal counseling and other mental health related resources.

First-Year Seminar (FYS): ASC staff coordinate this hybrid course designed to provide support and resources for students new to college. It is intended to connect students to the college community, programs, faculty, staff, and peers.

Registration Assistance: ASCs are equipped with computers and accessible, knowledgeable staff who can answer questions regarding the registration process and navigation of online tools and systems.

Review & Retest: ASC staff offer comprehensive, individualized placement test review and preparation that can save students time and money.

Study & Work Space: ASCs welcome students for quiet, contemplative study or energized, collaborative group sessions.

Technology Lab: ASCs offer desk top, laptop, and tablet resources for student use on campus.

Tutoring & Study Support: Free tutoring is available to all enrolled WVNCC students. Each campus offers tutoring in a variety of subjects including English, Biology, Math, Accounting, Computer Information Technology and more. Schedules vary each semester and are available online or by contacting the ASC. Employment as a tutor and/or work-study is also available to qualified students.

Online Tutoring & Support: WVNCC tutors are available online through the Online Tutoring Center in Brightspace and Brainfuse, available through the Student Portal, offers live, on-demand virtual tutoring twenty-four hours a day, seven days a week.

West Virginia Northern Community College encourages students to take a proactive approach to learning by using the resources provided by the ASC on campus and online.

For individualized assistance, students can contact the Director, ROOM 225A B&O, 304-214-8853. The Director can help a student assess his/her needs and connect with college and community resources. Students may also be referred for individual assistance by faculty or staff.

Directory

Archived Catalogs

To view catalogs prior to 2018-2019, click on the link below:

<https://www.wvncc.edu/current-students/wvncc-college-catalog-archive/3833>

Program Advisory Committee

West Virginia Northern Community College operates an Advisory Committee system to help improve and enhance the quality of the College's programs and services for students and the employers of the Northern Panhandle. Advisory committees function to advise and assist in occupational manpower needs; understanding

trends that could influence program development; reviewing curricula to ensure their relevancy; placing interns, cooperative education students, and graduates.

Associate of Science Advisory Committee

Anna Edlund, Ph. D Chair, Biology Department, Bethany College; **Kylie Krieger**, Science Department Head Student Council Advisor, Cameron High School; **Gregory Pond**, State employee, Environmental Protection Agency; **Nadya Povysheva**, PhD Teaching Assistant Professor, Neuroscience University of Pittsburgh; **E. Joseph Nolan IV**, data scientist in advanced analytics R&D for Highmark Health; **Jaclyn Robinson**, Brooke High School Science Department, Department Chairperson, Honors Committee Chairperson; **Karen Kettler**, PhD, Professor of Biology, Dean, College of Sciences, West Liberty University

Business Advisory Committee

Barry Allen, VP Sales & Marketing, Ziegenfielders Ice Cream Co; **Tim Bidwell**, Senior Audit Manager, CPA; Partner, Hazlett, Burt & Watson; **Julie Cunningham**, Human Resource Manager, Orrick, Herrington & Sutcliffe; **Glenn Elliott**, Mayor City of Wheeling; **David Glatz**, CPA; **Marian Grubor**, Retired Division Chair/Program Chair; **Dr. Jill Loveless**, V.P. Academic Affairs WVNCC; **Frank O'Brien**, Director Whg. Ohio County Convention & Visitors Bureau; **Scott Owen**, Business Instructor WVNCC; **Matt Porter**, Human Resources & Production Manager, Ziegenfielders Ice Cream Co; **Pat Roper**, Program Director of Business WVNCC; **Charleen Stokes**, Instructor WVNCC; **Erikka Storch**, President, Wheeling Area Chamber of Commerce.

Computer Information Technology Advisory Committee

Bob Roset, Health Plan; **Katie Ammirante**, Williams Lea; **Dr. Adam Beatty**, CIT Program Director, WVNCC; **Brenda Bellville**, Williams Lea; **Cathy Brooks**, Williams Lea; **Chris Corbin**, Manager of Technology, WVNCC; **Jeremy Doolin**, Instructor WVNCC; **Tom Dzmura**, Northwood Health Systems; **Elizabeth Gates**, HGO Technology, Inc.; **Andy Gaudino**, John Marshall High School; **Jason Gorby**, 3 States.Net, LLC; **David Hanes**, Wheeling Central Catholic High School; **Robert Kotson**, Wheeling University; **Dr. Jill Loveless**, VP of Academic Affairs WVNCC; **Ben McPherson**, Wetzel County Schools; **David Rapp**, Wheeling Hospital Inc.; **Heidi Ryan**, Instructor, WVNCC; **Adolph Santorine**; **Jeff Sayre**, CFO/VP of Administrative Services, WVNCC; **Dion Scripture**, Williams Lea; **Larry Tackett**, VP of Economic Workforce Development, WVNCC; **Will Turani**, Orrick; **Eric Warren**, Wheeling Hospital Inc.

Criminal Justice Advisory Committee

Sergeant Darren Matthews, West Virginia State Police; ; **John Lantz**, WVNCC Criminal Justice Program Director; **Chief Shawn Schwertfeger**, Chief of Police, Wheeling Police Department; **Officer RJ Faldowski**, Wheeling Police Department, WVNCC Campus Security; **Dr. Angela Hawk**, VPL/CAO WVNCC; **Sheriff Nelson Croft**, Ohio County Sheriff's Office; **Dr. Daniel Mosser**, President WVNCC; **Ricky Grishkevich**, WVNCC Campus Security Weirton; **Chief Tom Mitchell**, Chief of Police, Moundsville West Virginia Police; **Chief Charlie Kush**, Chief of Police, Weirton West Virginia Police; **Sheriff Mike Dougherty**, Sheriff Marshall County; **Heidi Napier**, WVNCC CRJ Faculty Faculty; **Tammy Kruse**, Administrator Youth Services Systems; **Sheriff Scott Gittings**, Hancock County Sheriff's Office; **Sheriff Richard Beaty, Jr**, Brooke County Sheriff's Office; **Chief Tim Cecil**, Chief of Police, New Martinsville, WV.

Culinary Arts Advisory Committee

Rocco Basil, Executive Certified Chef, Diocese of Wheeling Charleston; **Ryan Butler**, Public Market; **Justin Droginske**, Wheeling Country Club; **Bob Gracey**, Graduate WVNCC Culinary Arts; **Jill Hillberry**, ProStart Instructor; **Curt Hippensteel**, WVNCC Division Chair; **Lock Johnson**, Ohio County Health Department; **Chris Kefauver**, Professor Culinary Arts WVNCC; **Dr. Jill Loveless**, Provost WVNCC; **Sarah Lydick**, Sarah's on Main; **Leslie Miller-Lanos**, Sysco; **Beth Myers**, Graduate WVNCC Culinary Arts; **Sean Pabin**, Supervisor, Belmont County Jail; **Josey Stern**, Graduate WVNCC Culinary Arts; **Mike Swan**, National Equipment; **Matt Welsch**, Vagabond Kitchen; **Glenn Zalenski**, Zalenski Family Eatery & Pub / Prostart instructor JVS; **Doug Orr**, Sodexo/West Liberty General Manager; **Rob Osborn**, Mountaineer Casino Racetrack & Resort; **Jason Meneely**, Wheeling Hospital; **Beau Dittmar**, Parkhurst Dining/Bethany College.

Early Childhood Care & Education Advisory Committee

Maclaine Murad, Program Director-WVNCC; **Amber Boring**, Northern Panhandle Head Start; **Jackie Bell**, Northern Panhandle Head Start; **Jasmine Reynolds**, King's Daughter's Child Care Center; **Miriam Douglas**, Director, Community Education-West Liberty University; **Terra Crews**, Director-Holy Family Child Care & Development Center; **Sarah Schimmell**, Pre-K Education-West Liberty University; **Haley Rauschenberg**, Clinical Director-Augusta Levy Learning Center; **Helen Bradley**, The IDEA Center.

Health Information Technology Advisory Committee

Deborah Kleeh, WVNCC; **Dr. Angela Hawk**, WVNCC; **John Modra**, WVNCC; **Bonnie Peterman**, WVNCC; **Amanda Logston**, WVNCC; **Andrea Strosnider**, Crane Ware Group / WVNCC; **John Antal**, Children's Home of Wheeling; **Misty Barnett**, WVNCC HIT Student; **Lillian Comer**, WVNCC HIT Student; **Cybil Cramer**, WVNCC MBC & HIT Graduate; **Mia Crow**, WVNCC HIT Graduate; **Sarah Graham**, WVNCC HIT Graduate; **Molly Hanning**, Medical Business Administration, Inc.; **Brittany Hetzer**, WVNCC HIT Graduate; **Rosemarie Jenkins**, WVNCC HIT Student; **Jenna Jones**, WVNCC HIT Graduate; **Sierra Klages**, WVNCC HIT Graduate; **Patricia Landino**, WVNCC HIT Student; **Alisa Loy**, WVNCC HIT Graduate; **Jessica Mattern**, WVU Medicine - Weirton Medical Center; **Deborah McKennen**, WVNCC HIT Graduate; **Kailey Morgan**, Memorial Health System; **Paula Sago**, WVU Medicine – Wheeling Hospital; **Tiffany Staffilino**, WVU Medicine - Weirton Medical Center / WVNCC HIT Graduate; **Dora Wallace**, WVNCC Administrative Assistant Graduate; **Jason White**, WVNCC HIT Graduate; **Aubreianna Wine**, WVNCC HIT Student; **Bella Wyatt**, WVNCC MBC Student

Human Services Advisory Committee

Kathy Herrington, Program Director-WVNCC; **Greg Blazy**, Human Resources-Youth Services System, Inc.; **Dr. Warren Galbreath**, Director Undergraduate Social Work Program-Ohio University Eastern; **Mark Games**, Northwood Health Systems; **Terry Kiser**, Healthways; **Melanie Sinclair**, BSW Program Director-West Liberty University; **Haley Rauschenberg**, Clinical Director-Augusta Levy Learning Center; **Sylvia Hawranick-Sneften**, BSW Program Director-West Liberty University; **Claudia Raymer**, Ohio County Family Resource Network; **Tammy McClain**, Director, Psychology Program-West Liberty University; **Megan Gandy**, BSW Director-West Virginia University; **Joyce Britt**, Faculty-WVNCC

Licensed Practical Nursing Advisory Committee

Hannah Westfall, WVNCC; **John Modra**, WVNCC; **Doug Minor**, WVNCC; **Brenda Sole**, WVNCC; **Mildred Dutton**, WVNCC LPN Student; **Amie Gorell**, WVNCC Adjunct Faculty; **Ashley Guiler**, Wetzel-Tyler Health Department; **Elizabeth McCamick**, WVNCC Adjunct Faculty / Fox Run Hospital; **Christa Nash**, WVNCC; **Kristin Sampson**, WVNCC LPN Graduate; **Mary Jane Scyoc**, Wetzel County Hospital

Medical Assisting Advisory Committee

Dr. William Mercer, MD, Wheeling Clinic; **Sheila Schultz**, Wheeling Hospital; **Deborah Cresap**, WVNCC; **Lori Burdette**, Wheeling Hospital; **Kimberly McConnaughy**, RESA VI; **Jessica Kimberly**, Billing & Coding; **Jessie Ludolph**, Graduate; **Megan Case**, Current Student Representative; **Jim Blazier**; **Michelle Watson**, WVNCC; **Dr. Jill Loveless**, WVNCC.

Medical Laboratory Technology Advisory Committee

Lisa Aaron, WVNCC; **John Modra**, WVNCC; **Emily Maguire**, WVU Medicine – Reynolds Memorial Hospital; **April Norris**, WVU Medicine – Wetzel County Hospital; **Cara Pasco**, WVU Medicine – Barnesville and Harrison Hospitals; **Margaret Pyles**, WVU Medicine – Wheeling Hospital; **Aulbrey Thompson**, WVU Medicine – Weirton Medical Center

Nursing Advisory Committee

Jill Keyser, WVNCC; **Dr. Angela Hawk**, WVNCC; **John Modra**, WVNCC, **Maryanne Capp**, WVU Medicine - Weirton Medical Center; **Erin Cool**, Select Specialty Hospital; **Kim Crow**, West Liberty University; **Joi Gorlock**, WVU Medicine – Weirton Medical Center; **Terri Lyons**, WVU Medicine – B. M. Spurr School of Practical Nursing; **Heather Morris**, WVU Medicine – Wetzel County Hospital; **Irene Powell**, WVU Medicine – Reynolds Memorial Hospital; **Stacy Russell**, WVU Medicine – Wheeling Hospital; **Linda Jo Shelek**, Wheeling Health Right; **Bryan Woodford**, WVU Medicine – WVU Medicine – Reynolds Memorial Hospital

Radiography Advisory Committee

Misty Kahl, WVNCC; **Missy Stephens**, WVNCC; **Dr. Angela Hawk**, WVNCC; **John Modra**, WVNCC; **Tami Alfred**, WVNCC; **Ashley Glover**, MHS/Sistersville General Hospital; **Metta Hoff**, WVU Medicine (WVUM)-Wheeling Clinic; **Billi Riggs**, WVUM-Wellsburg Clinic; **Tonya Trigg**, WVNCC Adjunct Clinical Preceptor (WVUM-Wheeling Hospital); **Molly Dutton**, WVNCC Adjunct Clinical Preceptor (WVUM-Wheeling Hospital); **Miranda Schrack**, WVNCC Adjunct Clinical Preceptor (WVUM-Wheeling Hospital); **Gwen Kinnan**, WVUM-Bellaire Health Center and St. Clairsville Health Center; **Karen Mihalic**, WVUM-Barnesville Hospital; **Tiffany Hart-Gatten**, WVUM-Barnesville Hospital; **Shelley Snyder**, WVUM-Reynolds Memorial Hospital; **Kyle Johnson**, WVUM-Reynolds Memorial Hospital; **Diana Olejasz Howell**, WVUM-Reynolds Memorial Hospital; **Patty Payne**, Med Express Wheeling; **Jennifer Bond**, WVUM-Wheeling Hospital; **Judy Mayles**, WVUM-Wheeling Hospital; **Jamie Meneely**, WVUM-Wheeling Hospital; **Lisa Soly**, WVNCC; **Kathleen Combs**, WVUM-Reynolds Rapid Care-Mt. Olivet; **Rachel Donley**, WVUM-Reynolds Rapid Care-Moundsville; **Ashton (Thompson) Brown**, WVUM-Reynolds Rapid Care-Benwood; **Kerri Smith**, WVUM-Reynolds Rapid Care-Benwood; **WVNCC Radiography Program**

Class President; WVNCC Radiography Program Student Government Association (SGA) Representative (if applicable); Tiffany Ladyga, East Ohio Regional Hospital; **Erin Pollock**, East Ohio Regional Hospital; **Pam Bowers**, WVUM-Wetzel County Hospital; **Jamie Browning**, WV Medical Imaging & RAD Therapy Board of Examiners.

Heating, Ventilation, Air Conditioning and Refrigeration

Adam Mitchel, Operations Manager-HE Newmann; **Mike Kucera**, Owner-Kucera Plumbing and Heating; **Debbie Kucera**, Owner-Kucera Plumbing and Heating; **John Labriola**, WVNCC; **Steve Frame**, Owner-Frame Heating and AC; **Michael Swann**, National Equipment Co.; **Don Moore**, National Equipment Co.

Substance Abuse Intervention

Jaime Cantley, Recovery & Resilience Administrator System of Care, WV Certification Board for Addiction and Prevention Professionals – WVCBAPP; **Dave Bailey**, CE Director, WV Certification Board for Addiction and Prevention Professionals; **Carolyn Canini**, Director of Behavioral Health Programs, WV Higher Education Policy Commission; **R.J. Canter**, Faculty member, WVNCC; **Joyce Britt**, Faculty member, WVNCC; **Nic Cochran**, Region 1 Partnerships for Success Prevention Programs Administrator Prevention Specialist II, Youth Services Systems, Inc. Prevention Services; **Rebecca Friend**, Recovery Peer Coach Lead, NP Workforce Development Board, Inc, NPWD; **Lori Garrett-Bumba**, Project Director, Collegiate Strategic Prevention Framework Partnership for Success, Marshall Center of Excellence for Recovery, MURC; **Tabitha Kinneer**, Program/grant manager OIFSP, WVNCC; **John Lantz**, Division Chair, Program Director, Criminal Justice, WVNCC; **Stacey Minter**, Alumni, WVNCC; **Martha Polinsky**, WVCIA coordinator, Marshall University Research Corp; **Dara M. Pond**, Director of Prevention Services, Youth Services System, Inc.; **Carol Robison**, Director, Miracles Happen; **Jeremy Sagun**, Director, Substance Abuse treatment Northwood Health Systems; **Valery Staskey**, Community member/social worker; **Jodie Taylor Canter**, Community member; **Sharon Marie Contraguerra**, Director, Serenity Hills Life Center; **Maggie Cha**, Secretary, WVU Medicine; **Laura Albertini-Weigel**, Director, WIND program, YWCA; **Megan Herter**, RMH Recruiter, WVU Medicine Reynolds Hospital; **Jeanette Ziegler**, Alumni, WVNCC.

Surgical Technology

Tami Pitcher, WVNCC; **Dr. Angela Hawk**, WVNCC; **John Modra**, WVNCC; **Erin Carr**, WVNCC; **Bonnie Peterman**, WVNCC; **Sara Walter**, WVNCC; **Tysie McKinney**, WVNCC; **Lisa Baker**, WVNCC; **Sherri Alig**, WVU Medicine – Wheeling Hospital; **Jennifer Bakkenist**, UPMC Passavant; **Dr. Raymond Bannan**, Physician's Regional Surgery Center; **Marcus Cofield**, UPMC; **Jennifer Malcolm**, WVU Medicine – Ruby Memorial Hospital; **Kathleen Nauer**, UPMC Magee; **Riley Richardson**, WVNCC ST Graduate / WVU Medicine – Thomas Hospital; **Allison Sauvageot**, WVNCC ST Student; **Teila Scott Guzek**, WVNCC ST Graduate; **Crystal Snitz**, WVU Medicine – Ruby Memorial Hospital; **Bonnie Vetanze**, TCL Manufacturing Company; **Nicole Whitlock**, WVU Medicine – Ruby Children's Hospital; **Kelly Wright**, WVU Medicine – Wheeling Hospital

Welding

Tim Miller, Sky Oxygen; **Eric O'Donnell**, Local 83; **James Mull**, Mull Machine; **Evan McCorkal**, Lincoln Electric; **Chris Neupaver**, Tristate Machine, **Steve Terry**, Local 549; **Tom Welch**, Bidell Gas Compression; **David Raveaux**, WITTS; **Scott Muzzelli**, Local 33.

Administrative Staff

The following list contains primary academic credentials of administrators and staff employees who support student services and academic programs described in this catalog and are not full-time faculty.

Further Study refers to courses taken that apply toward another degree; Additional Study refers to miscellaneous courses that do not apply toward a specific degree.

ALFRED, TAMI, Director of Student Services; A.A., Potomac State; B.A., M.A., West Virginia University

AUBER, JOSEPH, Director of Facilities and Project Management; C.F.M., International Facilities Management Association

BARNHARDT, DAVID, Director of Communications & Student Recruitment; B.A., University of Akron

BENNETT, DEBORAH, Manager/Campus Operations, New Martinsville Campus; A.A.S., West Virginia Northern Community College; B.S., M.S., Mountain State University

BLAHA, REGAN, Director of Student Engagement; B.S., West Virginia University, M.A., West Virginia University

BRAK, ROBERT, Director of Human Resources & Development, Title IX Coordinator; B.S., West Virginia University

CORBIN, CHRISTOPHER, Director of Information Technology; A.A.S., West Virginia Northern Community College

CRAIG, CINDY, Director of the Academic Resource Center (ARC), B.S.S., Ohio University; M.L.S., M.S., Emporia State University

EDWARDS, TINA, Manager/Campus Operations, Weirton Campus; A.A.S., West Virginia Northern Community College; B.S., Mountain State University; M.S., West Liberty University

FIKE, JANET M., Vice President of Student Care and Success; B.S., West Virginia Wesleyan College; Eastern Illinois University; Further Study: Marshall University

HAWK, ANGELA, Vice President for Learning; B.A., M.A., Ph.D., University of California

KAPPEL, STEPHANIE, Executive Assistant to the President; B.A., Bethany College; M.A., West Virginia University

MILLER, JUSTIN, Director of Financial Aid, B.A., Bethany College, M.S., Duquesne University

MOSSER, DANIEL, President; B.S., California University of Pennsylvania; M.Ed., University of Maryland; Ph.D., University of Maryland

MULHERN, KARRI, Vice President of Continuing Education and Workforce Development; B.A., Bethany College; M.P.A., University of Pittsburgh.

PASCO, RYAN, Title III Program Director, B.A., West Virginia University

SAYRE, JEFFREY, CFO/Vice President of Administrative Services; B.A., West Virginia University, M.B.A., Franciscan University of Steubenville

SHARMA, PURNIMA, Vice President for Planning, Institution Effectiveness, and Research; Professor, Physics/Mathematics; M.S., Ohio State University; Ed.D. Nova Southeastern University (Fla.); Additional Study: West Virginia University, Marshall University, West Virginia Northern Community College

SOLY, LISA, Director of ACTION Center; B.S., Bethany College; M.S., West Virginia University

SPURLOCK, RANA, Director of Institutional Advancement; B.A., Wheeling Jesuit University

WILLIAMS, IDA-JANNETTE, Director of High School Pathways and Partnerships; B.A., Washington & Jefferson College

YESENCZKI, REBECCA, Registrar; A.A.S., West Virginia Northern Community College; B.S., Mountain State University; M.A., Marshall University

Cabinet

Daniel Mosser, President

David Barnhardt, Director of Communications & Student Recruitment

Robert Brak, Director of Human Resources & Development

Janet Fike, Vice President of Student Care & Success

Angela Hawk, Vice President for Learning

Stephanie Kappel, Executive Assistant to the President

Karri Mulhern, Vice President for Continuing Education and Workforce Development

Jeffrey Sayre, CFO/Vice President of Administrative Services

Pam Sharma, Vice President for Planning, Institutional Effectiveness, & Research

Rana Spurlock, Director of Institutional Advancement

English

Before you enroll in an college-level English course, you should consult the corresponding guide below. Each guide addresses common questions about the course and provides a set of sample exercises typical to the course. You will be able to select the best enrollment option for yourself by reading the questions and working through the exercises. ENG 097 is available as a preliminary course you think you need more preparation for ENG 101 or ENG 115.

English Self Placement Guides:

ENG 101

ENG 115

Guided Self Placement

Faculty

The following list contains titles and primary academic credentials of full-time faculty. Qualified part-time faculty, including some administrators and staff, also instruct some courses.

Further Study refers to courses taken that apply toward another degree; Additional Study refers to miscellaneous courses that do not apply toward a specific degree.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

AARON, LISA: Program Director/Instructor of Medical Laboratory Technician; A.A.S., Lorain County Community College; B.S., Fayetteville State University.

BAKER, CHANA: Associate Professor of English, English; B.S., West Liberty University; M.A., Southern New Hampshire University; Additional Study: West Virginia Northern Community College.

BINKIEWICZ, TRICIA: Assistant Professor of Nursing; A.A.S., West Virginia Northern Community College; B.S.N., Ohio University; M.S.N., Western Governors University

BUCHANAN, HOLLIE L.: Associate Professor of Mathematics; B.A., M.S., Ph.D., West Virginia University.

CANTER, RAYMOND J.: Associate Professor of Psychology and Human Services; B.S., Wheeling Jesuit University; M.S., Shippensburg University.

CASSIDY, MARY ELLEN: Assistant Professor of Mathematics; B.S., M.S., Wheeling College.

COMBS, ROBERT: Instructor of Welding, 45 years of on-the-job work experience as a welder/pipe-fitter with GMAW/SMAW

DOOLIN, JEREMY: Associate Professor of Computer Information Technology; B.S., Ohio University; B.A., Ohio University; M.S., Southern New Hampshire University.

EMMERTH, MARYBETH: Program Director of Respiratory Therapy; B.S., Wheeling University (formerly Wheeling College); M.S., University of Pittsburgh

FERRELL, DARCEY: Professor of Psychology/Sociology/Human Services; Licensed Social Worker; B.A., Glenville State College; MSW, West Virginia University.

FREEMAN, MICHAEL: Program Director/Instructor of EMS with Economic & Workforce Development; A.A.S., Monore Community College; B.S., Franklin University.

GOMEZ, DANIEL: Assistant Professor of Mathematics; B. A., State University of New York at Buffalo; M.S., University of Pittsburgh; M.S. Texas A&M University.

HARBERT CRYSTAL L: Program Director of Associate of Arts/Assistant Professor of English; B.A., M.A., Kent State University.

HAYS, DAVID: Assistant Professor of Nursing; Diploma, Trinity Health System School of Nursing, R.N.; B.S.N., Wheeling Jesuit University, M.S.N., Wheeling Jesuit University.

HIPPENSTEEL, CURTIS: Program Director of Energy Technology and Applied Technology/Instructional Specialist for Energy Technology; B.B.A., M.B.A., University of Central Arkansas. Certifications/Competencies: OSHA 503

(WVU), Instructor Certificate (IADC), Production Technician/Pumper (HPTC), Oil/Gas Drilling (HPTC), Compressor Mechanics (ARIEL), Basic Product Training (ARIEL), LMS Certifications (IWCF), Basic Instrumentation (EH), Supervisory Level Well Control (SJCSE).

KAHL, MISTY: Program Director/Professor of Radiography; Assistant Professor, Radiography; A.A.S., West Virginia Northern Community College; B.S., Florida Hospital College of Health Sciences; M.S., Independence University/California College for Health & Sciences; R.T.(R), Wheeling Hospital Radiology Program.

KALB, HEATHER: Associate Professor of Biology; B.A., Wittenberg University; Ph.D., Texas A&M University.

KEFAUVER, CHRISTIAN: Program Director of Culinary Arts and Hospitality/Professor for Culinary Arts; A.A.S., West Virginia Northern Community College; B.S., Wheeling College (formerly Wheeling Jesuit College); M.A., West Virginia University; C.E.C, F.M.P.

KERNS, PATRICK: Instructor for Heating, Air Conditioning and Refrigeration Technology (HVACR); A.A.S., West Virginia Northern Community College.

KEYSER, JILL L.: Program Director/Professor of Nursing; Professor, Nursing; Diploma, Ohio Valley General Hospital School of Nursing; B.S.N., Ohio University; M.S., Wright State University; Additional Study: West Virginia University, Muskingum University.

KILLEEN, BRANDY: Program Director/Assistant Professor for Welding; A.A.S., West Virginia Northern Community College; Certified Welding Inspector, American Welding Society.

KLEE, DEBORAH: Program Director/Assistant Professor for Health Information Technology; A.A.S., West Virginia Northern Community College, A.A., West Virginia Northern Community College; B.A., Wheeling College (formerly Wheeling Jesuit University).

KRIECHBAUM, JENNIFER: Associate Professor, Mathematics; A.S. and B.S., Ohio University; M.S. Muskingum University.

LABRIOLA, JOHN: Program Director/Assistant Professor for Heating, Air Conditioning and Refrigeration Technology (HVACR); B.S., M.Ed., Liberty University.

LANTZ, JENNIFER: Associate Professor, of Mathematics; B.S., West Liberty State College; Additional Study: Wheeling Jesuit University, Kellogg Institute, Appalachian State University. Further Study: West Virginia University.

LANTZ, JOHN: Division Chair of Liberal Arts & Public Service; Program Director/Associate Professor for Criminal Justice; B.S., West Liberty University; M.S., Marshall University; Further Study: West Virginia University and American Public University.

LAWSON, MICHAEL: Instructional Specialist for Electro-Mechanical Technology; A.A.S., West Virginia Northern Community College.

LEGLID, SAID: Associate Professor of Communications; M.A., Bloomsburg University.

MCDANIEL, ANTHONY, Instructor for EMS; N.R.P, FP-C; A.A.S. West Virginia University at Parkersburg.

MURAD, MACLAINE: Program Director/Assistant Professor of Education; M.Ed., Salem University.

MORELLI, FAITH, Assistant Professor of Nursing; B.S.N., M.S.N., Waynesburg University.

MULYUK, RUSTEM M., Assistant Professor of Mathematics; M.S.; Ph.D., Kazan Federal University.

NAPIER, HEIDI: Program Director for Human/Social Services, Assistant Professor for Criminal Justice; B.A., M.L.S., West Virginia University.

NEWHART, BRIANNA: Program Director for Substance Abuse Intervention; Instructor for Human Services; M. Ed., Cleveland State University.

NICHOLS, JESSICA, Program Director for Electro-Mechanical Technology; A.A.S., West Virginia Northern Community College.

OMELCHENKO-COMER, NATALIA: Division Chair of Business and Science, Technology, Engineering and Mathematics (STEM); Program Director for Associate of Science; Associate Professor for Biology; B.S., M.S., St. Petersburg State University; Ph.D., Institute of Experimental Medicine, Russian Federation.

PETERMAN, BONNIE: Associate Professor for Surgical Technology; A.A.S., West Virginia Northern Community College; B.L.A., West Liberty University; Certified Surgical Technologist (CST); Additional Study: Belmont Technical College, Queens College.

PITCHER, TAMI: Program Director/ Associate Professor for Surgical Technology; A.A.S., West Virginia Northern Community College; B.L.A., West Liberty University; Certified Surgical Technologist (CST).

RADVESKI, ANGELICA, Assistant Professor of Nursing; B.S.N., Chamberlain University.

REHO, JOHN W.: Professor of English; B.S., California (Pa.) State College; M.A., University of Akron; Further Study: Kent State University, West Liberty University.

RIGGS-SUSLOVIC, DARCY: Instructor for Culinary Arts; A.S.T., International Culinary Academy of Pittsburgh; Certified Executive Chef, American Culinary Federation.

RYAN, DELILAH: Professor of History; B.A., West Liberty University; M.A. (2), West Virginia University; Further Study: West Virginia University.

RYAN, HEIDI: Associate Professor for Computer Information Technology; B.A., Robert Morris University; M.B.A., University of Maryland University College.

SCOTT-GUZEK, LYNDIE: Program Director/Assistant Professor for Business; B.B.A., Marshall University; M.B.A., West Liberty University.

SHELDON, PARNELL: Instructor for Biology; B.A., B.S., Denison University; M.S., Miami University.

SOLE, BRENDA: Program Director/Instructor for Patient Care Technology; A.A.S., West Virginia Northern Community College.

STEPHENS, MELISSA, Instructor/Clinical Coordinator for Radiography; B.A., Wheeling Jesuit University; R.T. (R), American Registry of Radiologic Technologists; C.A.S., Wheeling Hospital Radiography Program. Additional Study: Belmont Technical College.

STOFFEL, DAVID J., Professor of Computer Information Technology; B.A., West Virginia Wesleyan College; M.S.S.E., West Virginia University; Additional Study: Colorado State University and West Virginia Northern Community College.

TIMKO, MELISSA: Program Director/Assistant Professor for Medical Assisting; A.A.S., Eastern Gateway Community College.

TUGALI, VIKRAM: Program Director/Associate Professor for Computer Information Technology; M.S. (2), Marshall University

WALTER, SARA D.: Clinical Coordinator/Associate Professor for Surgical Technology; A.A.S., West Virginia Northern Community College, Certified Surgical Technologist (CST).

WESTFALL, HANNAH: Program Director/Instructor for Licensed Practical Nursing (LPN); A.A.S., B.S.N., Ohio University.

WETZEL, JOSEPH: Associate Professor of Nursing; A.A.S., University of Cincinnati; B.S.N, Miami University; M.S.N., Walden University; additional study at Barry University

WINLAND, GREG: Professor of English; B.A., Wheeling Jesuit University; M.A., Miami University (Ohio); Ph.D., West Virginia University.

YABS, JAN: Instructor for Business, M.A. M.B.A., University of Findlay.

Guided Self Placement

Use these links to help you to determine your readiness for college-level English and Math courses:

English Self Placement

Math Self Placement

Guided Self Placement

Institutional Board of Governors

Jacob Altmeyer, **Chair**

Dennis McGlaughlin, **Vice Chair**

Christine Mitchell, **Secretary**

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Jacob Altmeyer

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Elizabeth Hofreuter

Dennis McGlaughlin II

Christine Mitchell

Ron Scott, Jr.

Lyndsie Scott-Guzek, **Faculty Representative**

Hilary Curto Wilson, **Staff Representative**

TBA, **Student Representative**

Math

Before you enroll in an entry-level math course, you should consult the corresponding guide below. Each guide addresses common questions about the course and provides a set of sample exercises typical to the course. You will be able to select the best enrollment option for yourself by reading the questions and working through the exercises.

Math Self Placement Guides:

MATH 101

MATH 109

MATH 110

MATH 113

MATH 115

MATH 116

MATH 204

MATH 205

MATH 210

Guided Self Placement

Placement Score Table

Effective Fall
2023

Updated: August 21st, 2023

ENGLISH 097 SCORES				
ACT	SAT (MARCH 2016 & Later)	TABE	High School Grades/GPA	High School Equivalency Scores (HiSET/TASC/GED)
Reading 16 or Below AND English 17 or Below	Reading 22 or Below ERW 459 or Below	Reading 535 or Below	No Scores Needed	No Scores Needed
ENGLISH 101 + 101S or ENG 115 + 115S				
ACT	SAT (MARCH 2016 & Later)	TABE	High School Grades/GPA	High School Equivalency Scores (HiSET/TASC/GED)
Reading 17 or Above AND English 17 or Below	ERW 460 – 479 OR Reading 23 or Above	Reading 536 or Above AND Language 546 or Below	As or Bs in all high school English courses AND 2.5 cumulative GPA	HiSET Reading 15 or Above AND Language Arts 14 or Below TASC Reading 580 or Above AND Writing 559 or Below GED 5 th Series N/A
ENGLISH 101 or ENG 115				
ACT	SAT (MARCH 2016 & Later)	TABE	High School Grades/GPA	High School Equivalency Scores (HiSET/TASC/GED)
English 18 or Above	ERW 480 or Above	Language 547 or Above	As or Bs in all high school English courses AND 3.0 cumulative GPA	HiSET Reading 15 or Above AND Language Arts 15 or Above

	OR Essay 13 or Above			TASC Reading 580 or Above AND Writing 560 or Above GED 5th Series Language Arts 165 or Above
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MATH 101, 109, 113, 115, 116, 204, or 205		
	Math + Supplement	Math without Supplement
ACT	18 or BELOW	19 OR ABOVE
SAT (MARCH 2016 & Later)	509 or Below	510 or Above
TABE	536 or Below	537 or Above
High School Grades/GPA	As or Bs in all high school English AND Math courses AND 2.5 cumulative GPA	As or Bs in all high school English AND Math courses AND 3.0 cumulative GPA
High School Equivalency Scores (HiSET/TASC/GED)	HiSET Math 14 or Below TASC Math 559 or Below GED 5th Series Math 164 or Below	HiSET Math 15 or Above TASC Math 560 or Above GED 5th Series Math 165 or Above

Math 110 or 210		
	Math 210	Math 110
ACT Math	20 or Above	21 or Above
SAT (MARCH 2016 & Later)	520 or Above	530 or Above
TABE	557 or Above	577 or Above
High School Grades/GPA	As or Bs in all high school English courses, As in all high school Math courses, AND 2.5 cumulative GPA	As or Bs in all high school English courses, As in all high school Math courses, AND 3.0 cumulative GPA
High School Equivalency Scores (HiSET/TASC/GED)	HiSET Math 15 or Above TASC Math 560 or Above GED 5th Series Math 165 or Above	HiSET Math 15 or Above TASC Math 560 or Above GED 5th Series Math 165 or Above

Placement Testing

WV Northern offers placement testing as one of multiple measures for placement in English and math courses. Newly-admitted students will work with an advisor to determine the most appropriate measure of placement. If a student opts into placement testing, the advisor will connect the student with our testing center to make the appropriate arrangements. The advisor can also help with alternate testing arrangements for students with documented physical or learning disabilities. Isolated testing, having a test read to the student or physical adaptations are examples of modified arrangements.

If you have questions, please contact wvnccadmissions@wvncc.edu.

Staff

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

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BAKER, TIM, Campus Maintenance Specialist, Wheeling Campus

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BENYO, JOSHUA, Program Coordinator, Early Access

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CLEMENT, RACHELLE, Academic Resource Center Associate Advisor

CURTO, HILARY, Print Design/Graphic Specialist

DAVIS, FRANK, Campus Service Worker, Wheeling Campus

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GOODWIN, STEPHANIE, Student Success Coach - DHHR/TANF

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HYDE, KATRINA, Senior Systems Administrator IT

KAUFMAN, LORI, Full Time Senior Accountant

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OSSMAN, TILLIE, Library Technical Assistant I

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TAYLOR, CANDY, Title III Success Coach, Wheeling Campus

THORN, DENNIS, Student Recruiter, Wheeling Campus

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WEEKLEY, ADAM, Rucruiter/Advisor/Early Access Specialist, New Martinsville

WHITEMAN, DARA, Administrative Assitant - CDL Program

WOODS, JASON, Information Technology Consultant

WOODLEY, JOSEPH, Title III Student Success Coach/Financial Aid, Wheeling Campus

WORKMAN, KAITLYN, Academic Advisor, Wheeling Campus

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