



EARLY ENTRANCE



Why early entrance?



Juniors and Seniors earn college credit while still in high school with potential of graduating simultaneously



Cost Savings - \$25.00 per credit hour through the summer following high school graduation



College and career readiness program available starting in the high school sophomore spring semester



College credit earned via:

- **EDGE:** High school courses approved by WVNCC for college credit
- **DUAL CREDIT** courses identified by each high school (varies)
- **CONCURRENT ENROLLMENT:** College-level courses are taken online and/or on campus with WVNCC faculty

Pathways to a Certificate or Degree

Guided pathways are created to assist high school students to understand certificate and associate-degree program requirements and the pathway to earn credit for all courses required.

Guided pathways are divided among the four meta-major areas identified at West Virginia Northern Community College. Each program's pathway identifies courses required.

High school sophomores may begin their journey in their spring semester with an online ORNT 101 College Transition course covering college preparation and career exploration. Advisors will work with high school counselors to guide students in selecting a meta-major pathway to follow.

High school juniors and seniors continue their journey by taking a combination of EDGE, Dual credit, and college courses simultaneously.

The goal of the Guided Pathways is to provide suggested course scheduling for high school students to either (1) complete a Certificate program while still in high school and / or (2) to complete the first year of an Associate in Applied Science degree.

In addition to the Programs identified in this Early Entrance Guide, West Virginia Northern also has Associate in Science and Associate in Arts degrees for students interested in taking General Education course with plans to transfer on to 4-year institutions.

Please refer to the WVNCC College Catalog at www.wvncc.edu for more details.

SOPHOMORES

Sophomores begin the journey with a ORNT 101 College Transition course in the Spring semester!

This online course includes information on transitioning from high school to college processes. An emphasis is placed on skills for college success as well as WVNCC programs and related careers with first-hand information from professionals in their fields.

JUNIORS

Juniors continue the journey by taking general education courses through WVNCC building credits toward a Certificate or Associate degree program and/or for transferring to a four-year college in the future. Some courses are offered specifically for each county/high school. However, students may also take other WVNCC courses. Students must meet the same eligibility as college students based on placement scores and course prerequisites.

SENIORS

Seniors can be well on their way to completing a Certificate or Associate Degree at WVNCC. Seniors can take a combination of general education courses as well as some program courses.

Depending on the program, it can be possible to complete high school and a college program simultaneously.



www.wvncc.edu

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ALLIED HEALTH:

ADMINISTRATIVE MEDICAL ASSISTANT, C.A.S.

EDGE CREDITS

AHS 103 Medical Terminology

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
BIO 114	Anatomy and Physiology I
SPRING SEMESTER	
MATH 109	Mathematics of Business and Finance
BIO 115	Anatomy and Physiology II

SENIOR YEAR	
FALL SEMESTER	
AHS 108	Disease Process Applications
AHS 110	Medical Legal/Ethical Issues
AHS 102	Electronic Health Records
SPRING SEMESTER	
MAS 150	Introduction to Medical Administrative Procedures
MAS 153	Medical Insurance and Reimbursement Methodologies

SUMMER FOLLOWING GRADUATION	
MAS 125*	Basic Diagnostic and Procedural Coding
MAS 151*	Medical Financial Management

* Classroom component may be involved

Students completing the Administrative Medical Assistant, C.A.S. program qualify to apply for admission to the Clinical Medical Assisting, A.A.S. Degree program.

CLINICAL MEDICAL ASSISTANT, A.A.S.

FALL SEMESTER		SPRING SEMESTER	
MAS 201	Clinical Medical Assistant	MAS 210	Clinical Medical Assistant II
MAS 202	Clinical Medical Assistant Skills Lab	MAS 211	Clinical Medical Assistant Practicum
MAS 220	Medical Assisting Seminar I	MAS 221	Medical Assisting Seminar II
MATH 115	Math for Health Sciences	PSYC 208	Developmental Psychology
PSYC 105	Introduction to Psychology	SPCH 101	Interpersonal Communication
		OR	
		SPCH 105	Fundamentals of Speech Communication

ALLIED HEALTH:

MEDICAL BILLING AND CODING, C.A.S.

EDGE CREDITS

AHS 103 Medical Terminology

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
BIO 114	Anatomy and Physiology I
SPRING SEMESTER	
MATH 115	Mathematics for Health Sciences
BIO 115	Anatomy and Physiology II

SENIOR YEAR	
FALL SEMESTER	
AHS 108	Disease Process Applications
AHS 110	Medical Legal/Ethical Issues
AHS 102	Electronic Health Records
SPRING SEMESTER	
MBC 100	Revenue Cycle Management I
MBC 110	Physician and Hospital Coding

SUMMER FOLLOWING GRADUATION	
MBC 125	Revenue Cycle Management II
SPCH 105	Fundamentals of Speech Communication
OR	
SPCH 101	Interpersonal Communication

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

HEALTH INFORMATION TECHNOLOGY, A.A.S.

FALL SEMESTER		SPRING SEMESTER	
HIT 100	Intro to Health Information Technology	HIT 240	Quality Mgmt/Performance Improvement
HIT 145	HIT Professional Practice Experience (PPE)	HIT 260	Advanced Medical Coding
HIT 150	Health Record Documentation	HIT 263	Health Information Technology Seminar
HIT 235	Intermediate Medical Coding	HIT 265	HIT Professional Practice Experience (PPE) II
MATH 210	Introduction to Statistics		Social Science Core Elective

ALLIED HEALTH:

PATIENT CARE TECHNICIAN, C.A.S.

EDGE CREDITS

AHS 103 Medical Terminology
 CIT 117 Microsoft Applications
 PCT 101 Certified Nursing Assistant

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
MATH 108	College Algebra
OR	
MATH 115	Mathematics for Health Sciences
SPRING SEMESTER	
SPCH 105	Fundamentals of Speech Communication
PSYC 105	Introduction to Psychology

SENIOR YEAR	
FALL SEMESTER	
BIO 114	Anatomy and Physiology I
AHS 110	Medical Legal/Ethical Issues (Elective suggestion)
AHS 102	Electronic Health Records (Elective suggestion)
SPRING SEMESTER	
BIO 115	Anatomy and Physiology II
PCT 151*	Patient Care Technician II

REMAINING COURSES (per program)	
Patient Care Technician	Student then ready to graduate from PCT Student can apply to other Allied Health programs or complete the PCT program

*Courses taught in WVNCC Lab.

ALLIED HEALTH: RADIOGRAPHY, A.A.S.

EDGE CREDITS N/A

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
MATH 108	College Algebra
OR	
MATH 210	Introduction to Statistics
SPRING SEMESTER	
SPCH 105	Fundamentals of Speech Communication
PSYC 105	Introduction to Psychology

SENIOR YEAR	
FALL SEMESTER	
BIO 114	Anatomy and Physiology I
SPRING SEMESTER	
BIO 115	Anatomy and Physiology II

Upon completion of the above core courses, the student is prepared to apply to the Radiography, A.A.S. program for the fall semester.

YEAR 1 RADIOGRAPHY PROGRAM			
FALL SEMESTER		SPRING SEMESTER	
RAD 100	Introduction to Radiography	RAD 125	Clinical Practice I
RAD 105	Radiography I	RAD 155	Radiography II
RAD 110	Radiation Protection/Radiobiology I	RAD 160	Radiation Protection/Radiobiology II
RAD 120	Radiography Procedures I	RAD 165	Clinical Fundamentals II
		RAD 170	Radiography Procedures II

SUMMER SEMESTER	
RAD 175	Clinical Practice II

YEAR 2 RADIOGRAPHY PROGRAM			
FALL SEMESTER		SPRING SEMESTER	
RAD 195	Clinical Practice III	RAD 225	Clinical Practice IV
RAD 205	Radiography III	RAD 255	Radiography IV
RAD 210	Advanced Imaging Modalities	RAD 260	Radiography Career Prep
RAD 215	Clinical Fundamentals III	RAD 265	Clinical Fundamentals IV
RAD 220	Radiography Procedures III	RAD 270	Radiography Procedures IV

ALLIED HEALTH:

REGISTERED NURSING, A.A.S.

EDGE CREDITS

AHS 103 Medical Terminology

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
SPRING SEMESTER	
SPCH 105	Fundamentals of Speech Communication
PSYC 105	Introduction to Psychology

SENIOR YEAR	
FALL SEMESTER	
BIO 114	Anatomy and Physiology I
SPRING SEMESTER	
BIO 115	Anatomy and Physiology II

Upon completion of the above core courses, the student is prepared to apply for admission to the Registered Nursing, A.A.S. program for the fall semester.

NOTE: If the student is not accepted into the Registered Nursing Program, it is recommended to continue in the Patient Care Technician program and reapply to Nursing the following year

FIRST YEAR REGISTERED NURSING	
FALL SEMESTER	SPRING SEMESTER
NURS 132 Drug and Dosage Calculations	NUR 112 Clinical Applications in Nursing Practice
NURS 133 Health Assessment and Diagnostics	NUR 142 Drug and Dosage Calculations II
NURS 134 Introduction to Nursing Concepts	NUR 144 Nursing Concepts of Health and Illness

SECOND YEAR REGISTERED NURSING	
FALL SEMESTER	SPRING SEMESTER
NURS 234 Nursing Concepts of Health and Illness II	NUR 244 Synthesis of Nursing Concepts
	NUR 245 Professional Nursing and Health Systems Concepts

ALLIED HEALTH:

SURGICAL TECHNOLOGY, A.A.S.

EDGE CREDITS

AHS 103 Medical Terminology

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
MATH 115	Mathematics for Health Sciences
SPRING SEMESTER	
SPCH 105	Fundamentals of Speech Communication
PSYC 105	Introduction to Psychology

SENIOR YEAR	
FALL SEMESTER	
BIO 114	Anatomy and Physiology I
SPRING SEMESTER	
BIO 115	Anatomy and Physiology II

Upon completion of the above core courses, the student is prepared to apply to the Surgical Technology, A.A.S. program for the fall semester.

YEAR 1 SURGICAL TECHNOLOGY PROGRAM			
FALL SEMESTER		SPRING SEMESTER	
ST 105	Surgical Technology I	ST 125	Anesthesia/Pharmacology for the Surgical Technologist
ST 115	Clinical Practice I	ST 150	Surgical Technology II
		ST 155	Clinical Practice II

SUMMER SEMESTER	
ST 180	Clinical Experience

YEAR 2 SURGICAL TECHNOLOGY PROGRAM			
FALL SEMESTER		SPRING SEMESTER	
ST 200	Surgical Technology III	ST 250	Surgical Technology IV
ST 210	Clinical Practice III	ST 255	Clinical Practice IV
		ST 260	Surgical Technology Seminar

COMPUTER INFORMATION TECHNOLOGY: MICROSOFT APPLICATIONS, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
CIT 105	Operating Systems
SPRING SEMESTER	
CIT 107	Excel
CIT 159	Microsoft Publisher

SENIOR YEAR	
FALL SEMESTER	
CIT 120	Microsoft Word I
MATH 108	College Algebra
SPRING SEMESTER	
CIT 182	PowerPoint Presentations
CIT 245	Network Security Fundamentals

SUMMER SEMESTER	
PSYC 155	Human Relations
SPCH 105	Fundamentals of Speech Communication

YEAR 2 - FALL SEMESTER		YEAR 2 - SPRING SEMESTER	
CIT 111	Help Desk Concepts	CIT 112	Access
CIT 123	A+ Hardware Essentials	CIT 184	A+ Networking and Software
CIT 250	IT Analysis, Design, and Career Prep	CIT 207	Computer Applications Support
	Social Science Core Elective	CIT 220	Unix / Linux
		CIT 291	Internship and Certification

COMPUTER INFORMATION TECHNOLOGY: CYBER SECURITY, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications
CIT 187 HTML/CSS

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
CIT 101	Introduction to Cyber Security
SPRING SEMESTER	
CIT 105	Operating Systems
CIT 184	A+ Networking and Software

SENIOR YEAR	
FALL SEMESTER	
CIT 106	Fundamentals of Hacking/IT Psychology and Security
CIT 241	Microsoft Network Administration
SPRING SEMESTER	
CIT 220	Unix / Linux
CIT 245	Network Security Fundamentals

SUMMER SEMESTER	
MATH 109	Mathematics of Business and Finance
PSYC 155	Human Relations

YEAR 2 - FALL SEMESTER		YEAR 2 - SPRING SEMESTER	
CIT 142	Cisco I - Networking Fundamentals	CIT 222	Ethical Protocols of Cyber Security
CIT 235	Introduction to Cloud Computing	CIT 255	Tactical Perimeter Defense in Network Security
CIT 250	IT Analysis, Design, and Career Prep	CIT 265	Virtualization Concepts
SPCH 105	Fundamentals of Speech Communication	CIT 291	Internship and Certification

COMPUTER INFORMATION TECHNOLOGY: SOFTWARE ENGINEERING, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

CIT 187 HTML/CSS

MGT 253 Small Business Management

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
CIT 105	Operating Systems
SPRING SEMESTER	
CIT 112	Access
CIT 176	Visual Basic Programming

SENIOR YEAR	
FALL SEMESTER	
CIT 232	Introduction to Programming Logic
SPCH 105	Fundamentals of Speech Communication
SPRING SEMESTER	
CIT 215	Client Side Scripting/JavaScript
CIT 272	Object Oriented Programming/Data Structures

SUMMER SEMESTER	
MATH 108	College Algebra

YEAR 2 - FALL SEMESTER		YEAR 2 - SPRING SEMESTER	
CIT 205	Web Development Tools	CIT 220	Unix / Linux
CIT 237	Advanced Database Programming	CIT 227	Applied Programming
CIT 250	IT Analysis, Design and Career Prep	CIT 291	CIT Internship and Certification
CIT 253	Web Application Programming	PSYC 155	Human Relations

CRIMINAL JUSTICE:

CRIMINAL JUSTICE, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
MATH 108	College Algebra
OR	
MATH 210	Introduction to Statistics
SPRING SEMESTER	
ENG 102	College Composition II
CRJ 104	Introduction to Criminal Justice Systems

SENIOR YEAR	
FALL SEMESTER	
BIO 110	Principles of Biology
SOC 125	Introduction to Sociology
SPRING SEMESTER	
POLS 102	American National Government and Politics
CRJ 245	Introduction to Juvenile Justice System

SUMMER SEMESTER	
PSYC 105	Introduction to Psychology
SPCH 105	Fundamentals of Speech Communication

YEAR 2 - FALL SEMESTER		YEAR 2 - SPRING SEMESTER	
CRJ 201	Introduction to Corrections	CRJ 221	Criminal Procedure
CRJ 220	Criminal Law	CRJ 235	Field Service
CRJ 225	Terrorism and Homeland Security	CRJ 251	Problems in Criminal Justice
CRJ 276	Criminology	2 Restricted Electives: Choose from: CRJ 110, CRJ 115, CRJ 205, CRJ 209, CRJ 246, CRJ 230	

EDUCATION & HUMAN SERVICES: HUMAN SERVICES, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 101	College Composition I
MATH 108	College Algebra
SPRING SEMESTER	
SPCH 105	Fundamentals of Speech Communication
PSYC 105	Introduction to Psychology

SENIOR YEAR	
FALL SEMESTER	
BIO 110	Principles of Biology
PSYC 155	Human Relations
SPRING SEMESTER	
ENG 102	College Composition II
HS 100	Intro to Social Work & Human Services

SUMMER SEMESTER	
SOC 125	Introduction to Sociology

REMAINING COURSES			
FALL SEMESTER		SPRING SEMESTER	
HS 101	Understanding Group Processes and Dynamics	HS 150	Intro to Substance Abuse
HS 147	Understanding Human Diversity	HS 200	Social Welfare Institutions
HS 205	Human Services/EC Seminar	PSYC 200	Abnormal Psychology
HS 210	Intro to Case Management & Counseling	HS 204	Human Services Field Experience
PSYC 208	Developmental Psychology	Choose 3 Credit Restricted Elective: Choose from: ART 256, CRJ 245, PSYC 210, PSYC 218, SS 207	

EDUCATION & HUMAN SERVICES: EARLY CHILDHOOD: CARE AND EDUCATION, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications
 ECCE 212 Child, Family, and Community
 ECCE 214 Child Observation and Assessment
 MGT 253 Small Business Management
 PSYC 210 Child Development

JUNIOR YEAR			
FALL SEMESTER			
ENG 101	College Composition I		
MATH 108	College Algebra		
SPRING SEMESTER			
SPCH 101	Interpersonal Communication		
OR			
SPCH 105	Fundamentals of Speech Communication		
PSYC 105	Introduction to Psychology		
SENIOR YEAR			
FALL SEMESTER			
BIO 110	Principles of Biology		
SOC 125	Introduction to Sociology		
SPRING SEMESTER			
ENG 102	College Composition II		
OR			
ENG 115	Technical Writing		
PSYC 208	Developmental Psychology		
REMAINING COURSES			
FALL SEMESTER	SPRING SEMESTER		
ECCE 100	Foundations of Education	ART 256	Creative Expression in Art and Design
ECCE 220	Language and Literacy	ECCE 204	Early Childhood Field Experience
HS 147	Understanding Human Diversity	PSYC 218	Exceptional Children
HS 205	Human Services / EC Seminar		

BUSINESS:

BUSINESS OFFICE: BUSINESS CAREER STUDIES, C.A.S.

EDGE CREDITS

ACC 122 Accounting I

MKT 230 Principles of Marketing

JUNIOR YEAR

FALL SEMESTER

ENG 101 College Composition I

CIT 120 Microsoft Word I

SPRING SEMESTER

BA 265 Business Communications

CIT 107 Excel

SENIOR YEAR

FALL SEMESTER

BA 240 Business Law I

OR

MGT 250 Principles of Management

MATH 109 Mathematics of Business and Finance

SPRING SEMESTER

CIT 112 Access

ACC 123 Principles of Accounting II

REMAINING COURSES

PROGRAM COMPLETE AS ABOVE

BUSINESS:

BUSINESS ADMINISTRATION: BUSINESS STUDIES, A.A.S.

EDGE CREDITS

ACC 122 Accounting I

BA 100 Introduction to Business

MGT 253 Small Business Management

MKT 230 Principles of Marketing

JUNIOR YEAR

FALL SEMESTER

ENG 101 College Composition I

CIT 120 Microsoft Word I

SPRING SEMESTER

MATH 109 Mathematics of Business and Finance

CIT 107 Excel

SENIOR YEAR

FALL SEMESTER

PSYC 155 Human Relations

ECON 104 Macroeconomics

SPRING SEMESTER

ECON 105 Principles of Microeconomics

ACC 123 Principles of Accounting II

REMAINING COURSES

FALL SEMESTER

ACC 205 Cost & Managerial Accounting

BA 240 Business Law I

MGT 250 Principles of Management

SPCH 105 Fundamentals of Speech Communication

SPRING SEMESTER

ACC 222 Computerized Accounting

BA 241 Business Law II

BA 265 Business Communications

BA 285 Accounting/Business Capstone

BUSINESS:

SMALL BUSINESS MANAGEMENT, C.A.S.

EDGE CREDITS

ACC 122 Accounting I

MGT 253 Small Business Management

MKT 230 Principles of Marketing

JUNIOR YEAR

FALL SEMESTER

ENG 101 College Composition I

BA 240 Business Law I

SPRING SEMESTER

MATH 109 Mathematics of Business and Finance

CIT 107 Excel

SENIOR YEAR

FALL SEMESTER

ECON 104 Macroeconomics

CIT 120 Microsoft Word I

SPRING SEMESTER

BA 265 Business Communications

REMAINING COURSES

PROGRAM COMPLETE AS ABOVE

BUSINESS:

EXECUTIVE ADMINISTRATIVE ASSISTANT, A.A.S.

EDGE CREDITS

ACC 122 Accounting I

MGT 253 Small Business Management

MKT 230 Principles of Marketing

JUNIOR YEAR

FALL SEMESTER

ENG 101 College Composition I

CIT 120 Microsoft Word I

SPRING SEMESTER

MATH 109 Mathematics of Business and Finance

CIT 107 Excel

SENIOR YEAR

FALL SEMESTER

MGT 250 Principles of Management

PSYC 155 Human Relations

SPRING SEMESTER

ACC 123 Accounting II

CIT 112 Access

SUMMER SEMESTER

SPCH 105 Fundamentals of Speech Communication

REMAINING COURSES

FALL SEMESTER

BA 100 Introduction to Business

BA 240 Business Law I

CIT 159 Microsoft Publisher

ECON 105 Principles of Microeconomics

SPRING SEMESTER

ACC 222 Computerized Accounting

BA 241 Business Law II

BA 265 Business Communications

BA 285 Accounting/Business Capstone

CULINARY:

CULINARY ARTS, C.A.S

EDGE CREDITS

CART 121 Food Service Sanitation and Safety

CIT 117 Microsoft Applications

JUNIOR YEAR

FALL SEMESTER

ENG 101 College Composition I

MATH 108 College Algebra

SENIOR YEAR

FALL SEMESTER

SOC 125 Introduction to Sociology (required if continuing into the AAS Degree Program)

SPCH 105 Fundamentals of Speech Communication

REMAINING COURSES

FALL SEMESTER

CART 124 General Nutrition

CART 131 Bakeshop

CART 145 Elements of Commercial Food Preparation & Service

CART 159 Basic Food Science

SPRING SEMESTER

CART 125 Essentials of Dining Services

CART 151 Meat, Poultry, Seafood Prep

CART 175 Advanced Food Sciences

NOTE: Students must take CART 251 Culinary Internship if planning to continue into the AAS program

Upon completion of the above core courses, the student is prepared to continue into the Culinary Arts, A.A.S. program for the fall semester.

CULINARY ARTS, A.A.S

SECOND YEAR COURSES

FALL SEMESTER

CART 223 Personnel Supervision for Hospitality Industry

CART 235 American Cuisine

CART 240 Garde Manger

SPRING SEMESTER

CART 231 Pasty Preparation

CART 241 Classical Cuisines

CART 245 Menu Purchasing and Cost Control

CART 275 Senior Seminar

APPLIED TECHNOLOGIES:

ADVANCED MANUFACTURING, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
ENG 115	Technical Writing
APT 100	Introduction to Applied Technology
SPRING SEMESTER	
MATH 113	Technical Mathematics

SENIOR YEAR	
FALL SEMESTER	
SPCH 101	Interpersonal Communication
PHYS 115	Applied Physics
SPRING SEMESTER	
PSYC 155	Human Relations

SUMMER SESSION 1	
APT 103*	Safety Hazards Recognition
APT 110	Introduction to Print Reading

SUMMER SESSION 2	
APT 104*	Safety Applications
APT 150*	Hydraulics and Pneumatic Fundamentals
APT 155*	Electrical and Electronic Fundamentals

REMAINING COURSES			
FALL SEMESTER		SPRING SEMESTER	
MEC 115*	Instrumentation I: Mechanical	MEC 120*	Motors and Motor Controls
MEC 140*	Programmable Controllers I	MEC 122*	Machine Maintenance and Installation
MEC 232*	Pumps and Piping	MEC 240*	Programmable Controllers II
		MEC 230*	Fluid Power Systems
		MEC 235*	Instrumentation II: Electrical
		MEC 251*	Problem Solving and Teamwork Seminar

* Courses taught in Wheeling Campus Lab

APPLIED TECHNOLOGIES:

INDUSTRIAL MAINTENANCE TECHNOLOGY, C.A.S.

EDGE CREDITS

HPE 110 First Aid and CPR (CPR Certification)

SUMMER AFTER SOPHMORE YEAR - SESSION 1

ENG 101 College Composition I

APT 103* Safety Hazards Recognition

SUMMER AFTER SOPHMORE YEAR - SESSION 2

APT 104* Safety Applications

JUNIOR YEAR

FALL SEMESTER

APT 110 Introduction to Print Reading

RAH 100* Basic Refrigeration I

SPRING SEMESTER

MATH 108 College Algebra
OR

MATH 113 Technical Mathematics

APT 112* Introduction to Welding

SENIOR YEAR

FALL SEMESTER

APT 150* Hydraulic and Pneumatic Fundamentals

SPRING SEMESTER

MEC 120* Motors and Motor Controls

MEC 232* Pumps and Piping

APT 155* Electrical and Electronic Fundamentals

* Courses taught in Wheeling Campus Lab

APPLIED TECHNOLOGIES:

INSTRUMENTATION PROCESS TECHNOLOGY, A.A.S

EDGE CREDITS

CIT 117 Microsoft Applications

SUMMER AFTER SOPHMORE YEAR - SESSION 1

APT 103* Safety Hazards Recognition

APT 110* Introduction to Print Reading

SUMMER AFTER SOPHMORE YEAR - SESSION 2

APT 104* Safety Applications

APT 150* Hydraulics and Pneumatic Fundamentals

JUNIOR YEAR

FALL SEMESTER

ENG 115 Technical Writing

APT 100 Introduction to Applied Technology

SPRING SEMESTER

MATH 113 Technical Mathematics

MEC 122* Machine Maintenance and Installation I

SENIOR YEAR

FALL SEMESTER

PHYS 115 Applied Physics

PSYC 155 Human Relations

SPRING SEMESTER

MEC 120* Motors and Motor Controls

APT 155* Electrical and Electronic Fundamentals

REMAINING COURSES

FALL SEMESTER

MEC 115 Instrumentation I: Mechanical

MEC 140 Programmable Controllers I

SPCH 101 Interpersonal Communications

SPRING SEMESTER

APT 230 Supervisory controls and Data Acquisition

MEC 230 Fluid Power Systems

MEC 235 Instrumentation II: Electrical

MEC 240 Program Controllers II

MEC 251 Problem Solving and Teamwork Seminar

* Courses taught in Wheeling Campus Lab

APPLIED TECHNOLOGIES:

ENERGY TECHNOLOGY, C.A.S

EDGE CREDITS

CIT 117 Microsoft Applications | HPE 110 First Aid and CPR (CPR Certification)

JUNIOR YEAR

FALL SEMESTER

ENG 115 Technical Writing

SPCH 101 Interpersonal Communication (Required for AAS Program)

SPRING SEMESTER

MATH 113 Technical Mathematics

PSYC 155 Human Relations (Required for AAS Program)

SENIOR YEAR

FALL SEMESTER

APT 100 Introduction to Applied Technology

APT 110 Introduction to Print Reading

SPRING SEMESTER

APT 155 Electrical & Electronic Fundamentals

PTRM 104* Production Technology with Hands-On Lab

PTRM 150 Drilling/Completion Operations

SUMMER SESSION 1

APT 103* Safety Hazards Recognition

SUMMER SESSION 2

APT 104* Safety Applications

APT 150* Hydraulics and Pneumatics Fundamentals

* Courses taught in Wheeling Campus Lab

Complete the Energy Technology, A.A.S. Program after graduation:

ENERGY TECHNOLOGY, A.A.S

REMAINING COURSES

FALL SEMESTER

PTRM 206 Applied Chemistry for Petroleum with Hands-On Lab

PTRM 208 Artificial Lift with Hands-on Lab

PTRM 217 Petroleum Geology of Appalachia
OR

MEC 115 Instrumentation I: Mechanical

SPRING SEMESTER

NRG 101 Energy Transition Tech & Application

PTRM 107 Rigging for Land-based Oil & Gas Operations

PTRM 210 Introduction to Midstream Operations

PTRM 211 Well Controls with Hands-on Lab

PTRM 213 Gas Measurement with Hands-on Lab

PTRM 235 Petroleum Technology Seminar

RAH 250 Alternative Energy Concepts

APPLIED TECHNOLOGIES:

REFRIGERATION, AIR CONDITIONING, AND HEATING TECHNOLOGY, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

JUNIOR YEAR	
FALL SEMESTER	
SPCH 101	Interpersonal Communication
PSYC 105	Introduction to Psychology
OR	
PSYC 155	Human Relations
OR	
SOC 125	Introduction to Sociology
SPRING SEMESTER	
ENG 115	Technical Writing
MATH 101	Intermediate Algebra
OR	
MATH 109	Math of Business and Finance
SENIOR YEAR	
FALL SEMESTER	
RAH 100*	Basic Refrigeration I
RAH 110*	HVACR Piping Skills
SPRING SEMESTER	
APT 112*	Introduction to Welding
APT 155*	Electrical and Electronic Fundamentals
SUMMER SEMESTER	
APT 103	Safety Hazard Recognition
APT 104	Safety Applications
MEC 120*	Motors and Motor Controls
RAH 209*	Forced Air Systems / Duct Layout
REMAINING COURSES	
FALL SEMESTER	SPRING SEMESTER
RAH 102* Refrigeration Controls	RAH 250* Alternative Energy Concepts
RAH 206* Heating Systems I	RAH 260* Certification Preparation
RAH 220* Hydronics	RAH 265* Commercial Refrigeration
RAH 207* Heating Systems II	
RAH 235* Comfort Cooling	

* Courses taught in Wheeling Campus Lab

APPLIED TECHNOLOGIES:

WELDING TECHNOLOGY, A.A.S.

EDGE CREDITS

CIT 117 Microsoft Applications

WELD 101 (WELD 1)

WELD 102 (WELD 2)

WELD 202 (WELD 3)

WELD 206 (WELD 4)

HPE 110 First Aid and CPR (CPR Certification)

JUNIOR YEAR

FALL SEMESTER

ENG 101 College Composition I
OR

ENG 115 Technical Writing

SPRING SEMESTER

SPCH 105 Fundamentals of Speech Communication

SENIOR YEAR

FALL SEMESTER

MATH 108 College Algebra
OR

MATH 113 Technical Mathematics

SPRING SEMESTER

APT 110 Introduction to Print Reading

PSYC 155 Human Relations

SUMMER SESSION 1

APT 103* Safety Hazard Recognitions

PTRM 107* Rigging for Land-Based Oil and Gas Operations with Hands-On Lab

SUMMER SESSION 2

APT 104* Safety Applications

WELD 112* Advanced Shield Metal Arc Welding

REMAINING COURSES

FALL SEMESTER

WELD 204* Advanced MIG

WELD 210* Flux Core Welding

WELD 215* Metallurgy

SPRING SEMESTER

WELD 208* Advanced TIG

WELD 220* Layout Fabrication

WELD 225* Downhill Pipe Welding