

Accounting Technology 520302 ACT
Career Certificate

Available: Shoals Campus
 Advisors: P. Hogan (5232) hogan@nwsc.edu
 E. Carter (5277) cartere@nwsc.edu

Accounting Technology is designed to meet the need for personnel in a broad range of accounting fields, including accounting systems, recordkeeping, financial statements, payroll accounting, and other areas.

The certificate is designed for the student who does not intend to transfer to a four-year institution but intends to seek immediate employment. This certificate is appropriate for students who are employed and wish to gain a better understanding of accounting.

Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.

General Education Requirements	Semester Hours
**ENG 101 English Composition I	3
MTH 116 Mathematical Applications	3
OAD 125 Word Processing	3
OAD 133 or BUS 215 Business Communications	3
Total General Education Requirement	12

Major Requirements

ACT 104 Introduction to Business	3
ACT 115 Introduction to Accounting Computer Resources ...	3
ACT 141 Basic Accounting Principles	3
ACT 142 Advanced Accounting Principles	3
ACT 246 Microcomputer Accounting	3
ACT 253 Income Tax	3
ACT 247 Advanced Accounting Applications on the Microcomputer	3
ACT 249 Payroll Accounting	3
ACT 256 Cost Accounting or BUS 248 Managerial Accounting	3
ACT 262 Directed Studies	3
Total Major Requirements	30

Total Semester Credit Hours 42

**Keyboarding skills are essential for the successful completion of English 101.

**Accounting Technology:
 Associate in Occupational Technology Degree - page 82**

Air Conditioning/Refrigeration 150501 ACR
Technology
Career Certificate

Available: Shoals Campus
 Advisors: J. Hackworth (5335) joehackworth@nwsc.edu

The health, comfort, and productivity of any nation is dependent upon air conditioning and refrigeration equipment. Air conditioning has become a necessity rather than a luxury in today's homes, offices, public buildings, and industries.

Air Conditioning/Refrigeration Technology covers the practical application of planning, installing, and servicing heating, air conditioning and refrigeration equipment in residential and commercial establishments.

The increased use of air conditioning and refrigeration in homes and work environments provides growing job opportunities in transportation, food preservation, manufacturing, space programs, medical services, and many others.

Transfer Students: Students may receive up to one semester for clock hours and credit units earned at another institution.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	
COM 100 Introductory Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	2	3
ACR 111 Refrigeration Principles	2	3	3
ACR 112 HVACR Service Procedures	2	3	3
ACR 113 Refrigeration Piping Practices	1	5	3
ACR 119 Fundamentals of Gas Heating Systems	1	5	3
ACR 121 Principles of Electricity for HVACR	2	3	3
ACR 122 HVACR Electrical Circuits	2	3	3
ACR 123 HVACR Electrical Components	2	3	3
ACR 126 Commercial Heating Systems	2	3	3
ACR 132 Residential Air Conditioning	2	3	3
ACR 135 Mechanical/Gas/Safety Codes	2	3	3
ACR 148 Heat Pump System I	1	5	3
ACR 181 Parallel Refrigeration	2	3	3
ACR 203 Commercial Refrigeration	1	5	3
ACR 205 System Sizing and Air Distribution	2	3	3
ACR 209 Commercial Air Conditioning	2	3	3
ACR Elective			6
Total Semester Credit Hours			57

**Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

**Air Conditioning/Refrigeration Technology:
 Associate in Occupational Technology Degree - page 83
 Short-Term Certificate - page 105**

Automotive Collision Repair 470603 ABR Career Certificate

Available: Shoals Campus
 Advisors: E. Reid (5231) ereid@nwscc.edu
 J. Hackworth (5335) joehackworth@nwscc.edu

Automotive collision repair has expanded throughout the country to become a major field of automotive work. Repairing damages and restoring the original beauty of an automobile requires the work of a master craftsman. Working conditions and employment opportunities are excellent and will continue to grow.

This Automotive Collision Repair program is designed to train students to repair an automobile correctly, economically, and safely. The program includes technology, welding, mathematics, shop safety, metal straightening, panel replacement, interior trim and body refinishing, auto electricity, glass replacement, frame straightening, fiber glass repair, and damage estimations. The student will learn how to become an automobile repair person with skills that include all phases of auto collision repair.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
COM 100 Introductory Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	2	3
ABR 111 Non-Structural Repair	1	4	3
ABR 114 Non-Structural Panel Replacement	1	4	3
ABR 122 Surface Preparation	1	4	3
ABR 123 Paint Application and Equipment	1	4	3
ABR 151 Safety and Environmental Practices	1	4	3
ABR 154 Automotive Glass and Trim	1	4	3
ABR 156 Cutting and Welding	1	4	3
ABR 157 Automotive Plastic Repairs	1	4	3
ABR 213 Automotive Structural Analysis	1	4	3
ABR 214 Automotive Structural Repair	1	4	3
ABR 223 Automotive Mechanical Components	1	4	3
ABR 224 Automotive Electrical Components	1	4	3
ABR 255 Steering & Suspension	1	4	3
ABR 258 Heating and AC in Collision Repair	1	4	3
ABR 261 Restraint Systems	1	4	3
ABR 265 Paint Defects and Final Repairs	1	4	3
ABR 266 MIG Welding in Collision Repair (Aluminum)	1	4	3

Total Semester Credit Hours 57

*A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

** Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

Automotive Collision Repair: Associate in Occupational Technology Degree - page 84 Short-Term Certificate - page 98

Automotive Service Technology 470604 AST Career Certificate

Available: Shoals Campus
 Advisors: A. Austin (5449) austin@nwscc.edu
 J. Hackworth (5335) joehackworth@nwscc.edu

The Automotive Service Technology program offers students a curriculum that reflects current industry standards. The curriculum will provide students with the necessary experiences, including knowledge of all automatic systems, tools, and equipment, as well as proper troubleshooting and repair techniques, to become enjoyable in the automatic repair industry.

The Automotive Service Technology program will provide students the knowledge of workplace hazards so students will be able to work safely in the automatic industry, and will strive to instill in students in a professional work ethic so that employers will have the personnel who have the character quality and soft skills to meet their needs.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
COM 100 Introductory Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	2	3
AUM 101 Fundamentals of Automotive Technology	1	4	3
AUM 110 Electrical and Electronic Systems I	1	4	3
AUM 121 Braking Systems	1	4	3
AUM 122 Steering, Suspension and Alignment	1	4	3
AUM 124 Engine Repair I	1	4	3
AUM 130 Drive Train and Axles	1	4	3
AUM 133 Motor Vehicle Air Conditioning	1	4	3
AUM 182 Special Topics	0	4	2
AUM 210 Electrical and Electronic Systems II	1	4	3
AUM 224 Manual Transmission and Transaxle	1	4	3
AUM 230 Auto Transmission and Transaxle	1	4	3
AUM 239 Engine Performance	1	4	3
AUM 246 Automotive Emissions	1	4	3
AUM 244 Engine Performance II	1	4	3
AUM Electives			12

Total Semester Credit Hours 59

*Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another school.

**A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

Automotive Service Technology: Short-Term Certificate - pages 98 & 99

Carpentry/Cabinetmaking 460201 CAR
Career Certificate

Available: Shoals Campus
 Advisors: Charles Hardy (5236) charles.hardy@nwsc.edu
 Joe Hackworth (5335) joehackworth@nwsc.edu

Carpentry/Cabinetmaking, using wood for construction and repair, has been an important craft for centuries. These skills are so important and versatile that they make up the largest group of building trade workers.

Students are exposed to various areas of carpentry/cabinetmaking such as safety, hand tools, blueprint reading, metric measures, stair construction, floor framing, wall and ceiling framing, exterior finish and various types of cabinet building.

Emphasis is placed on learning the true value of good craftsmanship and how to apply this knowledge to benefit the employee and employer. One of the main objectives of the program is to develop the skills, attitudes and ethics needed to become successfully employed.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
COM 100 Introductory Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	2	3
CAB 101 Introduction to Cabinetmaking	1	4	3
CAB 102 Introduction to Lumber	1	6	3
CAB 103 Sizes and Dimensions	1	4	3
CAB 104 Cabinet Shop Operations	3	0	3
CAB 110 Basic Safety and Equipment	1	4	4
CAR 111 Construction Basics or CAR 211 Construction Specialties	3	0	3
CAB 142 Woodfinishing and Spraying	0	4	5
CAB 204 Cabinetmaking/Millwork	1	4	5
CAB 230 Estimating Costs in Cabinetmaking or CAR 217 Estimating	1	2	2
CAR 112 Floors, Walls, Site Prep	3	0	3
CAR 113 Floors, Walls, Site Prep Lab	0	9	3
CAR 121 Introduction to Blueprint	3	0	3
CAR 131 Roof and Ceiling Systems	3	0	3
CAR 133 Roof and Ceiling Systems Lab	0	9	3
CAR 226 Metal Framing	0	6	3
CAR 228 Stairs, Trim, and Moldings or CAR 134 Stairs, Moldings, and Trim	1	4	3

Total Semester Credit Hours 59

*A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

**Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

Carpentry/Cabinetmaking:
Associate in Occupational Technology Degree - page 85
Short-Term Certificate - page 100

Cosmetology 120401 COS
Career Certificate

Available: Shoals Campus
 Advisors: C. Bankston (5265) bankstonc@nwsc.edu
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 J. Hackworth (5335) joehackworth@nwsc.edu

Cosmetology is the art and science of beauty care. A student in cosmetology learns basic skills and related knowledge in hairstyling, nail care, chemical services and skin care. Personal development and professional ethics are included in the curriculum. The curriculum is designed for students to meet the needs of a changing society by helping the individual acquire skills, knowledge, understanding, and attitudes which will contribute to his/her proficiency and competency in the occupation.

When the student has completed the curriculum outline of three semesters, he/she is eligible to make application for examination by the Alabama Board of Cosmetology. After passing the written and practical examination, the student becomes licensed and is eligible for employment.

A part time program is designed to meet the needs of anyone who cannot attend the full time program. Skills and related theory are included. Students wishing to practice cosmetology must meet licensing requirements set by the Alabama State Board of Cosmetology.

TRANSFER STUDENTS: Students may receive credit up to one semester for clock hours and credit units earned at another school.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
COM 100 Intro. Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	2	3
COS 111 Cos. Science and Art	3	0	3
COS 112 Cos. Science and Art Lab	0	9	3
COS 113 Chemical Methodology	1	5	3
COS 114 Chemical Methodology Lab	0	9	3
COS 121 Colorimetry	3	0	3
COS 122 Colorimetry Applications	0	9	3
*COS 123 Cosmetology Salon Practices	0	9	3
COS 124 Salon Management	3	0	3
COS 131 Esthetics	3	0	3
COS 132 Esthetics Applications	0	9	3
*COS 143 Hair Designs	1	5	3
COS 181 Special Topics	X	X	3

Total Semester Credit Hours 42

*COS 146 Hair Additions 2-5-4 may be substituted.

*COS 291B Co-op Lab may be substituted.

***A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

**** Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

Cosmetology:
Associate in Occupational Technology Degree - page 86
Short-Term Certificate - pages 103 & 104

**Electrical Technology
Career Certificate**

460302 ELT

Available: Shoals Campus
 Advisors: J. Bonner (5244) ndt1@nwsc.edu
 J. Hackworth (5335) joehackworth@nwsc.edu

The increased use of electricity and society's dependence upon it has created a vast number of occupational opportunities for the trained electrical technician. Great strides have been made in every line of electrical development. The increased use of automation in industrial plants has increased the need for trained industrial electricians. The Electrical Technology Program is designed to fulfill the needs of a demanding industry. The course includes electrical fundamentals, equipment and machine installation, maintenance and troubleshooting of motors, transformers and industrial controls, wiring methods, modern control methods, hydraulic, pneumatic, and electro-mechanical systems. The future brings increased demand for electricians who possess the skills of the trade and a working knowledge of the principles of electricity. The length of the curriculum is 4 semesters full-time day, or full-time night.

All entering students are required to complete ORT 100 unless transferred from another university or college.

	Semester		
	Theory	Lab	Hours
COM 100 Introductory Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	6	3
ELT 111 Concepts of Direct Current	3	6	5
ELT 112 Concepts of Alter. Current	3	6	5
ELT 114 Residential Wiring Methods	2	3	3
ELT 115 Residential Wiring Methods II	2	3	3
ELT 117 AC/DC Machines	1	6	3
ELT 118 Commercial/Industrial Wiring I	1	6	3
ELT 119 Concepts of Solid State Electronics	3	6	5
ELT 121 Concepts of Digital Electronics	3	6	5
ELT 122 Advanced AC/DC Machines	2	3	3
ELT 132 Commercial/Industrial Wiring II	2	3	3
ELT 209 Motor Control I	1	6	3
ELT 212 Motor Control II	2	3	3
ELT 231 Programmable Controls I	2	3	3
ELT 232 Programmable Controls II	2	3	3
ELT 242 Journeyman Master Prep Exam	3	0	3
ELT 206 OSHA Safety Standards	3	0	3

Total Semester Credit Hours 62

*Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

ELECTRICAL ELECTIVES

- ELT 104 Distribution Systems
- ELT 200 Special Projects
- ELT 206 OSHA Safety Standards
- ELT 214 Hydraulics
- ELT 215 Pneumatics
- ELT 219 Fluid Power Systems
- ELT 223 Cable Splicing and Installation
- ELT 233 Applied Programmable Controls
- ELT 244 Conduit Bending and Installation

Contact hours are not shown for electives since they may vary and combine both theory and lab.

**Electrical Technology:
Associate in Occupational Technology Degree - page 87**

**EMT-Paramedic
Career Certificate**

510904 EMS

All entering students are required to complete ORI 100 unless transferred from another university or college.

	Semester		
	Theory	Lab	Hours
ENG 101 English Composition I	3	0	3
MTH 100 or MTH 116	3	0	3
EMP 189 Applied Anatomy and Physiology for the Paramedic	4	0	4
EMP 191 Paramedic Preparatory	2	0	2
EMP 192 Paramedic Operations	2	2E	3
EMP 193 Patient Assessment and Management	2	2E	3
EMP 194 Paramedic General Pharmacology	1	2E	2
EMP 195 Advanced Trauma Management	2	9P3	6
EMP 198 Medical Patient Management I	2	2E	3
EMP 199 Cardiovascular Electrophysiology	2	2E	3
EMP 200 Medical Patient Management II	2	9P3	6
EMP 203 Cardiovascular Patient Management	2	2E	3
EMP 204 Transition to Paramedic Practice	2	2E	3
EMP 205 Paramedic Terminal Competencies	1	2E	2
EMP 206 Paramedic Field Preceptorship	1	15P3	6
EMP 207 Paramedic Team Leader Preceptorship	0	3P3	1
Total Semester Credit Hours			53

**Emergency Medical Services:
Associate in Science Degree - page 68
Short-Term Certificate - page 105**

**Industrial Systems Technology
Career Certificate**

Mechanical Certificate 470303 IMC

Available: Shoals Campus
 Advisors: R. Garner (5254) wgarner@nwsc.edu
 S. Harrison (5250) sam@nwsc.edu
 T. Maupin (5247) tmaupin@nwsc.edu

This certificate is designed to offer students entry level skills in the field of Industrial Systems Technology. A student who graduates in the program should be able to install and maintain all types of plant equipment.

Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.

General Education Requirements	Semester Hours
ENG 101 English Composition I	3
MTH 103 Introduction to Technical Mathematics	3
INT 102 Industrial Maintenance Cutting/Welding	2
INT 106 Elements of Industrial Mechanics	3
INT 113 Industrial Motor Control I	3
INT 117 Principles of Industrial Mechanics	3
INT 118 Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 120 Concepts of Direct Current.....	5
INT 121 Industrial Hydraulics Troubleshooting	3
INT 122 Concepts of Alternating Current	5
INT 127 Principles of Industrial Pumps and Piping Systems	3
INT 130 Concepts of Digital Electronics	5
INT 134 Principles of Industrial Maintenance Welding and Metal Cutting Techniques.....	3
INT 158 Industrial Wiring I	3
INT 161 Blueprint Reading for Industrial Technicians	3
INT 184 Introduction to Programmable Logic Controllers ..	3
INT 206 Industrial Motors I	3
ILT 175 Computer Fundamentals	3
Total Semester Credit Hours	59

**Industrial Systems Technology:
Associate in Applied Science Degree - pages 72 & 73
Short-Term Certificate - page 106**

**Machine Shop/
Computer Numerical Control (CNC)
Career Certificate 480503 MSP**

Available: Shoals Campus
 Advisors: T. Maupin (5247) tmaupin@nwsc.edu
 M. Johnson (8047) mpjohnson@nwsc.edu
 D. Vandiver (5247) dvandiver@nwsc.edu
 J. Hackworth (5335) joehackworth@nwsc.edu

This certificate is designed to prepare students to enter the machine tool industry. Students entering this plan should have good manual dexterity to operate equipment, spatial comprehension, and math skills to interpret part shape and size from blueprints and a good mechanical aptitude. No high school diploma or GED is required, but students must be at least 16 years of age to enroll. Students without GED's are encouraged to use the College facilities to obtain a diploma while in the program.

The five-semester day plan (nine semester extended plan) exposes the student to most machine shop equipment. The student will operate drills, lathes, milling machines, and grinders. During the fourth semester, the student has the opportunity to learn the basics of CNC (Computer Numerical Control) programming, setup, and operation. An extensive study of CAM (Computer Aided Machining) is available through an elective course.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
COM 100 Introductory Technical English I or ENG 101 English Composition I	3	0	3
MAH 101 Introductory Mathematics or MTH 100 College Mathematics	3	0	3
MSP 101 Basic Machining Technology	1	11	5
MSP 102 Intermediate Machining Tech.	1	11	5
MSP 103 Adv. Machining Technology	1	11	5
MSP 104 Basic Machining Calculations	1	2	2
MSP 105 Lathes	1	4	3
MSP 107 Milling Machines	1	6	3
MSP 111 Introduction to Computer Numerical Control	1	3	2
MSP 112 Basic CNC Turning	1	6	3
MSP 113 Basic CNC Milling	1	6	3
MSP 115 Advanced Milling Machines	2	9	5
MSP 121 Basic Blueprint Reading for Machinists	1	2	2
MSP 127 CAM	2	12	6
MSP 131 Introduction to Metrology	1	2	2
MSP 142 Adv. Machining Calculations	1	2	2
MSP 181 Special Topics	1	2	2
MSP 221 Advanced Blueprint Reading	1	2	2
MSP Elective	X	X	1
Total Semester Credit Hours			59

**A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

*** Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

**Machine Shop Technology:
Associate in Occupational Technology Degree - page 88**

Office Administration Career Certificate

520401 OAD

Available: Phil Campbell and Shoals Campuses
 Advisors: K. Swinney (6254/5235) kswinney@nwsc.edu
 T. McClinton (5212) mcclinton@nwsc.edu
 D. South (5211) dsouth@nwsc.edu

This certificate is designed to teach students the skills necessary to acquire and maintain secretarial and clerical positions in the business community. A high school diploma or GED certificate for admission is required.

Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.

General Education Requirements	Semester Hours
**ENG 101 English Composition I	3
MTH 116 Mathematical Applications	3
Total General Education Requirements	6

Major Requirements

*OAD 101 Beginning Keyboarding	3
OAD 103 Intermediate Keyboarding	3
OAD 104 Advanced Keyboarding	3
OAD 126 Advanced Word Processing	3
OAD 130 Electronics Calculations	3
OAD 131 Business English	3
OAD 133 Business Communications	3
OAD 134 Career and Professional Development	3
OAD 135 Financial Record Keeping	3
OAD 138 Records/Information Management	3
OAD 200 Machine Transcription	3
OAD 217 Office Management	3
OAD 218 Office Procedures	3
Total Major Requirements	39

OAD Electives

Choose three courses from among:
 OAD 110, 125, 202, 203, 211, 212, 214, 231, 233,
 and BUS 263

Total Semester Credit Hours 54

*OAD 100 prerequisite required unless student has had at least one course of high school keyboarding. OAD elective may be substituted for OAD 101 if student has two years of high school keyboarding and a working knowledge of Microsoft Word or permission of instructor.

**Keyboarding skills are essential for the successful completion of English 101.

Office Administration:

Associate in Applied Science Degree - pages 73 & 74

Practical Nursing Career Certificate

511613 LPN

Available: Shoals Campus
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 S. Smith (6207/5337) shelia.smith@nwsc.edu
 C. Tidwell (5305) cindy@nwsc.edu

This certificate is designed for training capable individuals who desire to become Licensed Practical Nurses (LPN). The Practical Nursing program enables the student to obtain the skills and knowledge leading to employment in the health care field. Topics related to safe, knowledgeable, and efficient nursing care are included. The certificate is approved by the Alabama Board of Nursing. Graduates are eligible to apply to take the state licensing examination (NCLEX-PN) for licensure as Practical Nurses. Graduation from the program however, does not guarantee Board of Nursing approval to take the NCLEX-PN licensing examination. See Standards of Conduct in the Registered Nursing section of the catalog.

The Practical Nursing Plan is three semesters in length. Students are admitted in the Fall Semester.

The admission criteria is currently under review and is subject to change.

Students are admitted according to the following priority:

1. First time students
2. Readmissions
3. Transfer students with previous nursing education

PRACTICAL NURSING GENERAL ADMISSION REQUIREMENTS:

Minimum admission standards for Practical Nursing include:

1. Unconditional admission to the college.
2. Receipt of completed application for the Practical Nursing Program by April 1 for the fall admission annually.
3. Have a minimum of 2.50 cumulative grade point average based on the most recent 24 credit hours of college work.
4. Eligibility for English 101 and Math 116, MTH 100 (Intermediate College Algebra) or higher as determined by college policy.
5. Good standing with the college.
6. Have taken the TEASV and have official scores on file in the NW-SCC nursing office by application deadline. **Test must have been completed within the last three years prior to the application deadline.**
7. Meeting the essential functions or technical standards required for nursing. (See Essential Functions in Registered Nursing section of the catalog.)

Admission to the PN program is competitive. Meeting minimum requirements does not guarantee acceptance.

The College reserves the right to adjust requirements or use additional criteria to determine admission.

PROGRAM REQUIREMENTS

After acceptance each student must:

1. Submit completed medical examination forms (at student expense) that provide evidence the student is free of communicable disease and chemical dependency, and is physically and psychologically able to participate fully in both classroom and clinical aspects of the program. The nursing faculty reserves the right to require at any time (at student expense) an additional medical examination in order to evaluate the student's state of physical, mental, and/or emotional health such as during pregnancy, infectious diseases, interference with mobility, emotional instability, chemical dependence, etc. When an examination or treatment is required, written proof must be provided by the physician attesting to the student's ability to carry out both classroom and clinical requirements of the program.

NOTE: Northwest-Shoals Community College reserves the right to remove from the program any student who is refused use of facilities by clinical agencies.

2. Meet the Essential Functions with or without reasonable accommodations. These standards relate to physical, mental, and emotional capabilities of prospective students and are available in writing from the Nursing Department. Additional health criteria are required by clinical agencies.
3. Purchase regulation uniforms and specified accessories.
4. Possess current certification in cardiopulmonary resuscitation at the health care provider level (BCLS). Community CPR is not acceptable. If a student is not certified with the appropriate CPR, the student may take EMS 100 Cardiopulmonary Resuscitation I. This course meets the CPR requirement for two years.
5. Receive certain immunizations at the student's expense.
6. Purchase professional liability insurance through the College.
7. Participate in and pay for periodic standardized testing.
8. Participate in and pay for drug testing as directed by Health Studies Division.
9. Participate in and pay for background checks as directed by Health Studies Division.

NOTICE: The Alabama College System Standardized Curriculum is continuing to be reviewed and analyzed. Modifications will be made as needed.

Refer to the Registered Nursing sections for the following information which applies to both the RN and LPN programs: Essential Functions and Standards of Conduct.

Progression Policy: Please refer to the Progression Policy for Nursing Programs for the Alabama College System found in the Registered Nursing Section.

Transfer Policy: Please refer to the Transfer Policy for Nursing Programs for the Alabama College System found in the Registered Nursing Section.

The following are specific policies for the PN Program for students wishing to transfer:

1. You will receive no credit for any nursing education that was acquired more than one (1) year prior to the transfer.
2. You must complete two semesters of the program at NW-SCC.
3. You must have attended a comparable nursing program approved by the appropriate State Board of Nursing.

EXPENSES:

The tuition rate is the same as that for other NW-SCC students, but nursing program students will incur other expenses, which are listed below. Note that the amounts listed are approximations and that they are subject to change without notice.

Textbooks and course outlines	\$1,000.00
Professional liability insurance	\$20.00
Drug Screening	\$35.00
Laboratory kit	\$55.00
Uniforms(s) and necessary equipment	\$345.00
(stethoscope, watch with second hand, pen light, etc.)	
Physical examination	\$350.00
(Immunizations, if needed)	
Standardized Exams	\$250.00
Background Check	\$45.00

Additional expenses anticipated during the final semester of the PN program are approximate. These are as follows:

ABN application	\$85.00
NCLEX application	\$200.00
NW-SCC graduation fee	\$35.00
Temporary permit (optional)	\$50.00
Nursing Pin (optional)	\$35.00
NCLEX review course (optional)	\$200.00

NOTICE: In addition to the expenses listed above, you are responsible for transportation, meals, health care expenses, any liability incurred during and while traveling to and/or from educational experiences.

**Practical Nursing
Career Certificate**

511613 LPN

	Semester Hours
Semester I	
+MTH 116 Mathematical Applications or Higher Level	3
+BIO 201 Human Anatomy and Physiology I	4
NUR 102 Fundamentals of Nursing	6
NUR 103 Health Assessment	1
NUR 104 Introduction to Pharmacology	1
	15
Semester II	
+ENG 101 English Composition I	3
+BIO 202 Human Anatomy and Physiology II	4
NUR 105 Adult Nursing	8
NUR 106 Maternal and Child Nursing	5
	20
Semester III	
NUR 107 Adult/Child Nursing	8
NUR 108 Psychosocial Nursing	3
NUR 109 Role Transition for the Practical Nurse	3
	14

Total Semester Credit Hours 49

+Must be completed with a grade of "C" or higher before or during semester noted above.

Nursing:

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Associate in Applied Science Degree - page 75

Special Program - page 107

**Welding
Career Certificate**

480508 WEL

Available: Shoals Campus
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This certificate is designed to develop the skills necessary to enter and maintain a job in the welding field. Students should develop the skills necessary to pass a certification test that meets the requirements of the American Welding Society (AWS) D1.1 code. Applicants are not required to have completed any particular subject prior to enrollment. Welders need to have good eye-hand coordination, and they need to be in good physical condition. Welding is used in fabrication shops, construction, maintenance, ship building, aircraft, automotive, electrical, and machine shops. Welding is a tool of all trades. The welding field is rapidly expanding, requiring a continually increasing volume of technical knowledge and skills on the part of the operator.

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester		
	Theory	Lab	Hours
COM 100 Introductory Technical English I	3	0	3
MAH 101 Introductory Mathematics I	2	2	3
WDT 108 SMAW Fillet/OFC	3	0	3
WDT 109 SMAW Fillet/PAC/CAC	3	0	3
WDT 110 Industrial Blueprint Reading	3	0	3
WDT 115 GTAW Carbon Pipe Theory	3	0	3
WDT 119 Gas Metal Arc/Flux Cored Arc Welding Theory	3	0	3
WDT 120 Shielded Metal Arc Welding Groove Theory	3	0	3
WDT 122 SMAW Fillet/OFC Lab	0	3	3
WDT 123 SMAW Fillet/PAC/CAC Lab	0	3	3
WDT 124 Gas Metal Arc/Flux Cored Arc Welding Lab	0	3	3
WDT 125 Shielded Metal Arc Welding Groove Lab	0	3	3
WDT 155 GTAW Carbon Pipe Lab	0	3	3
WDT 217 SMAW Carbon Pipe Theory	3	0	3
WDT 218 Certification Theory	3	0	3
WDT 228 Gas Tungsten Arc Welding Theory	3	0	3
WDT 257 SMAW Carbon Pipe Lab	0	3	3
WDT 268 Gas Tungsten Arc Lab	0	3	3

Total Semester Credit Hours 54

**Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

***A high school diploma or GED is not required for admission to this program. Students must be at least 16 years old to enroll.

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