

Child Development 190708 CHD **Associate in Applied Science Degree**

Available: Phil Campbell and esShoals Campus
Advisors: D. Durdunji (5450) durdunji@nwsc.edu

This degree is designed to prepare students for employment as teachers or directors in public or private preschool programs, as Head Start teachers or teacher aides, or as teacher assistants in Alabama Pre-K programs, public or private schools. Courses in this program extend beyond the Alabama State Minimum Standards qualifications for directors, program directors, and preschool teachers in licensed child care facilities.

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

General Education Requirements	Semester Hours
BIO 103 Principles of Biology I	4
BIO 104 Principles of Biology II or Physical Science	4
CIS 146 Microcomputer Applications	3
**ENG 101 English Composition I	3
ENG102 English Composition II	3
MTH 116 Mathematical Applications or MTH 110 or MTH 112	3
PSY 200 General Psychology	3
SOC 200 Introduction to Sociology	3
SOC 247 Marriage and the Family	3
SPH 107 Fundamentals of Public Speaking	3
Fine Arts Elective	3
Total Major Requirements	35

Major Requirements

CHD 100 Introduction to Early Care and Education of Children	3
CHD 201 Child Growth and Development	3
CHD 202 Creative Experiences for Young Children	3
CHD 203 Children's Language Development and Literature	3
CHD 204 Methods and Materials for Teaching Young Children	3
CHD 206 Health, Safety and Nutrition	3
CHD 205 Program Planning for Young Children	3
CHD 208 Administration of Child Development Programs	3
CHD 209 Infant and Toddler Education Programs	3
CHD 210 Educating Exceptional Young Children	3
CHD 215 Supervised Practical Experience	3
Total Major Requirements	33

Total Semester Credit Hours 68

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

Child Development:

Associate in Science Degree - page 50
Short-Term Certificate - page 101

Computer Information Systems Technology **Associate in Applied Science Degree**

Available: Shoals Campus
Advisors: T. James (6281) timmy.james@nwsc.edu
T. Roberson (5276) roberson@nwsc.edu
E. Carter (5277) cartere@nwsc.edu
S. Chandler (5234) schandler@nwsc.edu
J. James (6234/5346) jamesje@nwsc.edu
P. Peters (6326) ppeters@nwsc.edu

The CIS Technology degree is designed to prepare students for employment in the field of Data and Information Processing. Graduation from high school or the equivalent qualifies a prospective student for enrollment in CIS Technology. The two-year suggested curriculum is designed to develop computer personnel capable of planning, writing and installing commercial software on modern database computers. Students pursuing the Personal Computer Systems Option will receive training in electronics and networking technology used on common PC systems. Students pursuing the Programming Option are trained on the IBM AS/400 and/or personal computers.

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

Programming Option 110101 PO

General Education Requirements	Semester Hours
BUS 241 Principles of Accounting I or ACT 141 Basic Accounting Principles	3
BUS 242 Principles of Accounting II or ACT 142 Advanced Accounting Principles	3
**ENG 101 English Composition I	3
ENG 130 Technical Report Writing or ENG 102 English Composition II	3
MTH 100 Intermediate Algebra	3
SPH 226 Business and Professional Speech or SPH 107 Fundamentals of Public Speaking	3
Humanities or Fine Arts Elective	3
Social Science Elective	3
Total General Education Requirements	24

Major Requirements

CIS 150 Intro to Computer Logic and Programming	3
***CIS 146 Microcomputer Applications	3
*CIS 205 Control Language and Utilities Applications	3
CIS 147 Advanced Microcomputer Applications	3
CIS 249 Microcomputer Operating Systems	3
*CIS 281 System Analysis and Design	3
*CIS 199 Network Communications or ILT 135 Local Area Networks	3
CIS 268 Software Support or ILT 130 Software Installation and Maintenance	3
CIS 269 Hardware Support or ILT 129 Personal Computer Hardware	3
CIS Electives/CIS Programming Electives	21
Total Major Requirements	48

Total Semester Credit Hours 72

*Courses offered during summer semester only.

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

***Students without prior computer knowledge or keyboarding should enroll in CIS 096.

Personal Computers Systems Option

110101 PCS

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

General Education Requirements	Semester Hours
BUS 241 Principles of Accounting I or ACT 141 Basic Accounting Principles	3
BUS 242 Principles of Accounting II or ACT 142 Accounting Principles II	3
**ENG 101 English Composition I	3
ENG 130 Technical Report Writing or ENG 102 English Composition II	3
MTH 246 Mathematics of Finance	3
SPH 226 Business and Professional Speech or SPH 107 Fundamentals of Public Speaking	3
Humanities or Fine Arts Elective	3
Social Science Elective	3
General Elective	3-5
Total General Education Requirements	27-29

Major Requirements

***CIS 146 Microcomputer Applications	3
CIS 147 Advanced Microcomputer Applications	3
CIS 148 Post Advanced Microcomputer Applications	3
CIS 249 Microcomputer Operating Systems	3
CIS 191 Intro to Computer Programming Concepts	3
*CIS 199 Network Communications or ILT 135 Local Area Networks	3
CIS 268 Software Support or ILT 130 Software Installation and Maintenance	3
CIS 269 Hardware Support or ILT 129 Personal Computer Hardware	3
CIS 150 Intro to Computer Logic and Programming	3
ILT 101 Survey of Electronics	3
ILT 131 Personal Computer Problem Determination	3
*CIS 281 System Analysis and Design	3
CIS Electives/CIS Programming Electives	9
Total Major Requirements	45

Total Semester Credit Hours 72-74

* Courses offered during summer semester only.

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

***Students without prior computer knowledge or keyboarding should enroll in CIS 096.

Computer Information Systems:

Associate in Science Degree - page 51

Short-Term Certificate - pages 102 & 103

Criminal Justice

430107 CRJ

Associate in Applied Science Degree

Available: Phil Campbell and Shoals Campuses

Advisor: E. Bowen (5303) eddie.bowen@nwscc.edu

K. Brackins (6242) kbrackins@nwscc.edu

This degree is designed for students entering into Criminal Justice careers, particularly for those interested in law enforcement. Although many of the courses in this career program may transfer to four-year institutions, this program is not designed for transfer. This program does not include many courses that four-year institutions require in their general education program.

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

General Education Requirements	Semester Hours
CIS 146 Microcomputer Applications	3
**ENG 101 English Composition I	3
ENG 102 English Composition II	3
HED 231 First Aid	3
MTH 246 Mathematics of Finance or MTH 116 Mathematical Applications	3
PSY 200 General Psychology	3
POL 211 American Government or U.S. History	3
SOC 200 Introduction to Sociology	3
SPH 107 Fundamentals of Public Speaking	3
Humanities or Fine Arts Elective	3
Total Education Requirements	30

Major Requirements

CRJ 100 Introduction to Criminal Justice	3
*CRJ 110 Introduction to Law Enforcement	3
CRJ 140 Criminal Law and Procedure	3
CRJ 146 Criminal Evidence	3
CRJ 216 Police Organization and Administration	3
CRJ 220 Criminal Investigation	3
Criminal Justice Elective	12
Total Major Requirements	30

Total Semester Credit Hours 60

Criminal Justice Courses are offered on the Phil Campbell campus depending on student demand.

*Students who have successfully completed the Police Academy (as established by the Alabama Police Officers and Training Commission) may be given credit for CRJ 110 and CRJ 116 with the approval of the CRJ advisor.

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

Criminal Justice:

Associate in Science Degree - page 55

Design Engineering Technology

151301 D&D

Associate in Applied Science Degree

Available: Shoals Campus

Advisors: A. Rice (5257) rice@nwscc.eduM. Hubka (5270) hubka@nwscc.edu

Design Engineering prepares students for the manufacturing and construction industry. Today, the drafter is a highly skilled technician with an ability to visualize objects three dimensionally before they are physically created. By using traditional manual tools or computer assisted methods, the drafter creates drawings that describe the shape and size of the product or project.

Design Engineering instruction at the College is offered in fundamental, intermediate, and advanced levels of drafting and design. Advanced courses train students for the development of drawings in mechanical and architectural design. Related studies prepare the student academically in mathematics, physics, psychology, and English.

A graduate of the program will generally be qualified to enter the industry as an entry level draftsman, detailer, or apprentice designer. Graduates are encouraged to continue education toward a professional degree in engineering or architecture.

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

General Education Requirements	Semester		
	Theory	Lab	Hours
***ENG 101 English Composition I	3	0	3
*ENG 130 Technical Report Writing	3	0	3
MTH 103 Intro to Technical Mathematics	3	0	3
MTH 118 Technical Mathematics	3	0	3
PHY 115 Technical Physics	3	2	4
PSY 200 General Psychology	3	0	3
Humanities or Fine Arts Elective	3	0	3
Total General Education Requirements	22		
Major Requirements			
DDT 104 Basic Computer Aided Drafting and Design	1	4	3
DDT 111 Fundamentals of Drafting and Design	1	4	3
DDT 117 Manufacturing Processes	1	4	3
DDT 122 Advanced Technical Drawing	1	4	3
DDT 124 Basic Technical Drawing	1	4	3
DDT 127 Intermediate Computer Aided Drafting and Design	1	4	3
DDT 128 Intermediate Technical Drawing	1	4	3
DDT 131 Machine Drafting Basics	1	4	3
DDT 132 Architectural Drafting	1	4	3
DDT 134 Descriptive Geometry	1	4	3
DDT 181E Special Topics - Work Ethics	3	0	3
DDT 211 Intermediate Machine Drafting	1	4	3
DDT 231 Advanced CAD	2	3	3
DDT 233 Three-Dimensional Modeling	1	4	3
DDT 227 Strengths of Material Drafting and Design Electives	4	0	4
	X	X	8
Total Major Requirements	54		
Total Semester Credit Hours	76		

Design Engineering Technology Electives

DDT 114	Industrial Blueprint Reading
DDT 115	Blueprint Reading for Machinists
DDT 116	Blueprint Reading for Construction
DDT 118	Basic Electrical Drafting
DDT 125	Surface Development
DDT 126	Sections and Conventional Practice
DDT 130	Fundamentals of Drafting for Related Trades
DDT 133	Basic Surveying
DDT 139	Fundamentals of Drafting for Related Trades Lab
DDT 150	Theory of Residential Drawing and Design
DDT 155	Drawing for Residential Construction
DDT 182	Special Topics in Design Engineering Technology
DDT 191	Drafting Internship (1 cr)
DDT 192	Drafting Internship (2 cr)
DDT 193	Drafting Internship (3 cr)
DDT 212	Intermediate Architectural Drafting
DDT 213	Civil Drafting, Plat Maps
DDT 214	Pipe Drafting
DDT 215	Geometric Dimensioning and Tolerancing
DDT 217	Building Codes, Ordinances, Zoning Restrictions and the A.D.A.
DDT 220	Intermediate Technical and Mechanical Drawing
DDT 221	Advanced Machine Drafting
DDT 222	Advanced Architectural Drafting
DDT 223	Advanced Civil Drafting
DDT 224	Structural Concrete Drafting
DDT 225	Structural Steel Drafting
DDT 226	Technical Illustration
DDT 228	Geographic Information Systems
DDT 229	Inter. Technical and Mechanical Drawing Lab
DDT 232	CAD Customization
DDT 234	3D Graphics and Animation
DDT 235	Specialized CAD
DDT 236	Design Project
DDT 237	Current Topics in CAD
DDT 238	Special Topics in CAD
DDT 239	Independent Studies
DDT 250	Theory of Commercial Drawing and Design
DDT 255	Drawing for Commercial Construction
DDT 267	Co-op Elective
DDT 268	Co-op Elective
DDT 271	Co-op Elective (2-6 cr)
DDT 290	Survey of Aerospace Technology

Note: Three Drafting Electives totaling 8 semester hours are required. Students should consult advisor concerning other possible electives from other program areas.

*Students who have completed ENG 130 prior to Spring 2000, and students substituting ENG 102 must take Speech.

**Computer competency skills are embedded within one or more courses required in this curriculum.

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

**Design Engineering Technology:
Short-Term Certificate - page 102**

Electronics Technology 470105 ILT

Associate in Applied Science Degree

Available: Shoals Campus
 Advisors: S. McGouyrk (5246) stevem@nwsc.edu
 R. Reaves (5201) rgr@nwsc.edu
 S. Harrison (5250) sam@nwsc.edu

This degree is designed to provide the student with proficiency in electronic devices and equipment. Theory and laboratory courses in basic electronics, electronic circuits, communications, computers, and industrial electronics, as well as general education courses in math, English, physics, psychology, and humanities provide the knowledge and skills necessary to gain employment in electronics with opportunities to advance to positions of greater responsibility.

The degree prepares the student to observe necessary safety precautions; assemble, install, operate, troubleshoot, repair, maintain, calibrate, and modify electronic circuitry, equipment and systems; construct breadboards, and mock-ups; set up test apparatus, conduct tests, and analyze test results; prepare reports, sketches, graphs, and schematic drawings; and perform necessary mathematical calculations.

All entering students are required to complete ORI 101 unless transferred from another university or college.

General Education Requirements	Semester		Hours
	Theory	Lab	
***ENG 101 English Composition I	3	0	3
*ENG 130 Technical Report Writing	3	0	3
MTH 103 Introduction to Technical Mathematics	3	0	3
MTH 118 Technical Mathematics	3	0	3
PHY 115 Technical Physics	3	2	4
PSY 200 General Psychology	3	0	3
Humanities or Fine Arts Elective	3	0	3
Total General Education Requirements	22		

Major Requirements

ILT 106 Concepts of Direct Current	3	6	5
ILT 107 Concepts of Alternating Current	3	6	5
ILT 112 Concepts of Digital Circuits	3	6	5
ILT 113 Concepts of Electronic Circuits	3	6	5
ILT 125 Digital Communications	3	0	3
ILT 126 Digital Communications Lab	0	6	2
ILT 133 Electronic Drafting	0	3	1
ILT 164 Circuit Fabrication I	0	3	1
ILT 194 Programmable Logic Controllers I	2	3	3
ILT 201 Industrial Electronics	3	0	3
ILT 202 Industrial Electronics Lab	0	6	2
ILT 205 Microprocessors	3	0	3
ILT 206 Microprocessors Lab	0	6	2
ILT 234 Microprocessor Systems Troubleshooting	1	3	2
ILT 267 RF Communications	3	0	3
ILT 268 RF Communications Lab	0	6	2
Electronics Electives	X	X	6
Total Major Requirements	53		

Total Semester Credit Hours 75

Electronics Electives

ILT 129	Personal Computer Hardware
ILT 130	Personal Computer Software Installation and Maint.
ILT 131	Personal Computer Problem Determination
ILT 132	Programming Survey for Technicians
ILT 135	Local Area Networks
ILT 169	Hydraulics/Pneumatics
ILT 175	Computer Fundamentals for Technology Students
ILT 180	Special Topics
ILT 196	Programmable Logic Controllers II
ILT 203	Biomedical Electronics I
ILT 204	Biomedical Electronics II
ILT 216	Industrial Robotics
ILT 228	FCC General Radiotelephone License Prep
ILT 232	PC Repair Clinical
ILT 239	Certification Preparation
ILT 271	Independent Study
ILT 272	Independent Study
ILT 273	Independent Study
ILT 274	Independent Study
ILT 280	Special Topics
ILT 280A	A+ Certification Preparation
ILT 280B	Network+ Certification Preparation
ILT 280E	EEI Test Preparation
ILT 294	Biomedical Electronics Clinical I
ILT 295	Biomedical Electronics Clinical II

NOTE: Two Electronics Electives totaling 6 sem. hours are required.

Student should consult advisor concerning possible electives from other program areas.

*Students who have completed ENG 130 prior to Spring 2000, and students substituting ENG 102 must take Speech.

**Computer competency skills are embedded within one or more courses required in this curriculum.

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

Electronics Technology:
Short-Term Certificate - page 99

Emergency Medical Services 510904 EMP Associate in Applied Science Degree

Available: Shoals Campus

Advisors: M. Simpson (5435) msimpson@nwscc.edu

T. Oyen (5437) oyen@nwscc.edu

C. Demorse (5336) cdemorse@nwscc.edu

NOTICE: The EMS admission criteria, the progression guidelines, and the curriculum are currently being revised. Please see an EMS advisor.

The Emergency Medical Services degree is designed to prepare qualified applicants in basic and advanced emergency care in clinical and in field environments. Graduates qualify for employment with fire and rescue departments, ambulances services, industries and emergency departments within medical facilities. EMS education spans three levels of competency: First Responder, EMT-Basic, and Paramedic. Each level of competency meets or exceeds standards set forth by the Department of Transportation (DOT) National Standard Training Curriculum, and by the State of Alabama Department of Public Health. Students may enroll in the EMS program with the intention of completing only the courses required for each level of EMS education: EMT-Basic or Paramedic. Upon successful completion of either level, the student will be eligible to apply for registration with the National Registry of EMTs. Graduation from the program, however, does not guarantee Alabama Department of Public Health Office of EMS and Trauma or National Registry of EMTs approval to take the NREMT licensing examination.

Emergency Medical Services supports the Philosophy and Purpose of the College and serves its community by preparing entry level Emergency Medical Services personnel in varied health settings. The EMS Program Director and the EMS faculty have the responsibility for administering and evaluating the Emergency Medical Services Program according to policies and guidelines established by the College, the Alabama Department of Public Health, and the Commission on Accreditation of Allied Health Education Programs in association with the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

To receive an Associate of Applied Science Degree in Emergency Medical Services, the student must complete the EMT certificate levels and all academic core curriculum course requirements. All EMS students must take all parts of the ASSET or COMPASS placement test. Students completing the test should see the Program Director for placement into the English and math classes. Because EMS programs contain a clinical component, students are required to meet additional health requirements as well as the "Essential Functions of the EMT." Questions regarding the EMS program should be directed to the Program Director at (256) 331-5435.

The Purpose of the Emergency Medical Services Program is to:

1. Prepare entry level Emergency Services Personnel who utilize appropriate knowledge and skills to deliver safe, competent care to clients of all ages.
2. Foster learning as a life-long process to remain competent.
3. Prepare entry level Emergency Services Personnel who contribute to society as citizens and members within the discipline of EMS.

4. Provide education at the certificate and the Associate Degree level, which forms a basis for entry into baccalaureate EMS education.

APPROVALS AND ACCREDITATION

The Emergency Medical Services is state approved by the Alabama Department of Public Health Office of EMS and Trauma and nationally accredited by the Commission on Accreditation of Allied Health Education Programs in association with the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Alabama Department of Public Health, EMS Division

201 Monroe Street, Montgomery, Alabama 36104

Telephone: 1-800-962-9234 Fax: (334)-206-5260

www.adph.org/EMS

Commission on Accreditation of Allied Health Education Program

35 East Wacker Drive, Suite 1970, Chicago, IL 60601

Telephone: (312)-553-9355

www.coaemsp.org

ADMISSION PROCEDURES AND REQUIREMENTS

Admission to EMS is competitive, and the number of students is limited by the number of faculty and clinical facilities available. **Meeting minimal requirements does not guarantee acceptance.** Preference will be given to graduates of Northwest-Shoals Community College. Applicants will be notified in writing by the EMS office of acceptance into the EMS program. The College reserves the right to adjust requirements or use additional criteria to determine admission.

General Admission Requirements

To be eligible to enroll in the EMS Program, a student must complete the following:

1. Meet all admission requirements of the College and Alabama Department of Public Health;
2. Be a high school graduate or hold a GED;
3. Attain the prescribed scores on the ASSET or COMPASS placement test;
4. Be at least 18 years old (younger students who meet certain conditions may be able to enroll with the permission of the Program Director);
5. Possess a valid driver's license;
6. Hold current BCLS - CPR course completion at the provider level. American Red Cross course equivalent is Professional Rescuer. "Community CPR is not acceptable." Students will be allowed to enter the EMT-Basic program without CPR completion provided they enroll in a CPR class prior to beginning clinical rotations. The CPR course is provided by the EMS Department;
7. Present evidence of health insurance or sign a waiver;
8. EMS 107 Emergency Vehicle Operator Course is required to qualify for licensure as an ambulance driver in the State of Alabama. Students must successfully complete this course and meet additional requirements by the Alabama Department of Public Health Office of EMS and Trauma. The EVOC course is provided by the EMS Department;

9. Enrollment into the Paramedic Program requires documentation of completion of an approved EMT-Basic course. Students without college credit for the EMT-Basic Program must meet with the Program Director to successfully complete an assessment test prior to acceptance into the Paramedic Program.

Upon admission, an individual who discloses a disability can request reasonable accommodations. Individuals will be asked to provide documentation of the disability in order to assist with the provision of appropriate reasonable accommodations. The respective College will provide reasonable accommodations but is not required to substantially alter the requirements or nature of the program or provide accommodations that inflict an undue burden on the respective College. In order to be admitted one must be able to perform all of the essential functions with or without reasonable accommodations. If an individual's health changes during the program of learning, so that the essential functions cannot be met with or without reasonable accommodations, the student will be withdrawn from the EMS program. The EMS faculty reserves the right at any time to require an additional medical examination at the student's expense in order to assist with the evaluation of the student's ability to perform the essential functions. Requests for reasonable accommodations should be directed to the ADA Coordinator, Linda Waide, at 331-5321 or lwaide@nwscc.edu

Upon successful completion of either level, the student will be eligible to apply for registration with the National Registry of EMTs. Completion of the courses, however, does not guarantee Alabama Department Public Health Office of EMS and Trauma or National Registry of EMTs approval to take the NREMT licensing examination.

Paramedic Program students also can complete additional requirements for a Certificate or AAS Degree.

CERTIFICATE OPTION: In addition to the general admission requirements, students admitted to the Paramedic certificate program must:

1. Complete ENG 101 and MTH 100 or MTH 116 with a grade of "C" or higher prior to completion of the Paramedic Program;
2. Complete EMP 189 or BIO 201 & BIO 202 prior to starting the 3rd semester of the Paramedic Program.

AAS DEGREE OPTION: In addition to the general admission requirements, students admitted to the degree tract must:

1. Complete ENG 101 and MTH 100 or MTH 116 with a grade of "C" or higher prior to completion of the Paramedic Program;
2. Complete BIO 201 & BIO 202 prior to completion of the Paramedic Program;
3. Complete additional General Education Requirements: ENG 102, PSY 200, Humanities Elective.

PROGRAM CONTINUATION

In order to continue in the Basic or Paramedic courses, the student must complete the following:

1. Complete and submit physical examination form and required data PRIOR to attendance at clinical. The student must present written documentation on College forms of a physical examination within the last 12 months by a licensed practicing physician. In addition, the student must:
 - a. Be free from any communicable disease;
 - b. Possess eyesight in a minimum of one eye correctable to 20/20 vision, approximately one hundred and eighty (180) degrees peripheral vision capability and have adequate color perception;
 - c. Complete a health history, verifying such information as immunization and disease history and special medical needs;
 - d. Receive (at student expense) necessary immunizations/ tests including hepatitis vaccine;
 - e. Demonstrate the ability to send and receive messages.
2. Meet "Essential Functions of the EMT" with or without accommodations by assigned date. A copy of these functions is available upon request.
3. Purchase professional liability insurance through the College.
4. Complete drug testing and/or background checks as directed by the Health Studies Division or clinical agency.
5. The EMS Program grading scale is:
 - 100 – 90 = A
 - 89 – 80 = B
 - 79 – 75 = C
 - 74 – 60 = D
 - 59 and below = F
6. Receive a grade of "C" in each EMS or EMP course in order to continue.
7. Earn a satisfactory clinical evaluation on the clinical component of any course with a clinical component.

TRANSFER STUDENTS

Students who wish to transfer into any EMS program from another college must meet the same requirements as resident students. Additional requirements may need to be met if courses were taken out-of-state. Transfer students should contact the Program Director to discuss these matters.

PROGRAM PROGRESSION POLICY

In order to continue in EMS, the student must:

1. Complete all required general education courses according to The Alabama College System EMS Education curriculum.
2. Maintain a grade of "C" or better in all required EMS courses and maintain a 2.0 GPA at NW-SCC.
3. Be accepted by clinical agencies for clinical experiences.
4. Earn a satisfactory clinical evaluation in all EMS courses with a clinical component.
5. Maintain ability to meet essential functions for EMS with or without reasonable accommodations.

6. Maintain current CPR at the health care provider level.
7. Maintain an adequate level of health including but not limited to annual PPD, and freedom from chemical dependency and/or mental disorder.
8. Successfully complete the EMS education program:
 - a. Within one year of initial entry for the EMT-Basic (otherwise all EMT-Basic courses must be repeated).
 - b. Within two years of initial entry for the Paramedic program (otherwise all Paramedic courses must be repeated).

A student that has an unsuccessful attempt in an EMS course (W, D, or F) cannot progress until the course is completed successfully. Course repetition will be based on instructor availability and program resources. Withdrawal and/or a D or F in one or more EMS courses in a term is considered one unsuccessful attempt.

REINSTATEMENT (READMISSION) POLICY

1. Students whose progression through EMS is interrupted and who desire to be reinstated in the program must schedule an appointment with an EMS faculty advisor to discuss reinstatement. In order to be eligible for reinstatement, the following criteria must be met:
 - a. Apply for readmission to the college if not currently enrolled.
 - b. Submit application requesting reinstatement to the EMS program.
 - c. Request reinstatement within one year from the term of withdrawal or failure.
 - d. Demonstrate competency in previous EMS courses. This may be evaluated by testing and/or skills validation.
 - e. Adhere to EMS curriculum and/or program policies and procedures effective at the point of reinstatement.
2. Reinstatement to the EMS program is not guaranteed.
3. Reinstatement will be denied due to, but not limited to any of the following circumstances;
 - a. Grade point average is less than 2.0 from courses completed at the current institution.
 - b. Refusal by clinical agencies to accept the student for clinical experiences.
 - c. Twelve months have elapsed since the student was enrolled in an EMS course.
 - d. Student has been dismissed from the program. Students dismissed from the program for disciplinary reasons and/or unsafe/unsatisfactory client care.
4. Students who are unsuccessful on the third (3rd) admission will be dismissed from the EMS program.
5. Students who have three unsuccessful attempts in any EMS program course may apply for admission as a new student provided:
 - a. the student meets current entry requirements
 - b. at least two years have elapsed since the student's dismissal from the last program and
 - c. the student was not dismissed from the previous program for disciplinary reasons or for unsafe/unsatisfactory client care in the clinical area.

STANDARDS OF CONDUCT

The EMS student shall comply with the standards that determine acceptable behavior of a healthcare professional in accordance with the Alabama Department of Public Health Office of EMS and Trauma, National Registry of EMTs, and EMS Program. **FAILURE TO COMPLY WITH ANY OF THESE STANDARDS WHILE IN THE EMS PROGRAM CONSTITUTES GROUNDS FOR DISMISSAL FROM THE PROGRAM.**

The following examples of behavior may be grounds for dismissal from the EMS program or for licensure application review by the Alabama Department of Public Health Office of EMS and Trauma. Any individual who:

1. Is guilty of fraud or deceit in procuring or attempting to procure a license.
2. Is guilty of a crime involving moral turpitude or of gross immorality that would tend to bring reproach upon the EMS profession.
3. Is unfit or incompetent due to the use of alcohol, or is addicted to the use of habit-forming drugs to such an extent as to render the licensee unsafe or unreliable.
4. Is mentally incompetent.
5. Is guilty of unprofessional conduct of a character likely to deceive, defraud, or injure the public in matters pertaining to health.
6. Has willfully or repeatedly violated any of the provisions of this act.
7. Has been convicted of a felony.
8. Has been convicted of any violation of a Federal or State law relating to controlled substances.
9. Has any other reasons authorized by law.
10. Has been placed on a State and/or Federal abuse registry.
11. Has been court martialled or disciplined or administratively discharged by the military.

Emergency Medical Services 510904 EMP **Associate in Applied Science Degree**

Available: Shoals Campus

Advisors: M. Simpson (5435) msimpson@nwsc.edu

T. Oyen (5437) oyen@nwsc.edu

C. Demorse (5336) cdemorse@nwsc.edu

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

General Education Requirements	Semester Hours
BIO 201 Human Anatomy and Physiology I	4
BIO 202 Human Anatomy and Physiology II	4
ENG 101 English Composition I	3
ENG 102 English Composition II	3
MTH 100 or MTH 116	3
PSY 200 General Psychology	3
Humanities Elective	3
Total General Education Requirements	23

Major Requirements

EMS 116 EMS Basic Theory and Lab	9
EMS 117 EMS Basic Clinical Competencies I	1
EMP 191 Paramedic Preparatory	2
EMP 192 Paramedic Operations	3
EMP 193 Patient Assessment Management	3
EMP 194 Paramedic General Pharmacology	2
EMP 195 Advanced Trauma Management	6
EMP 198 Medical Patient Management I	3
EMP 199 Cardiovascular Electrophysiology	3
EMP 200 Medical Patient Management IIA	6
EMP 203 Cardiovascular Patient Management	3
EMP 204 Transition to Paramedic Practice	3
EMP 205 Paramedic Terminal Competencies	2
EMP 206 Paramedic Field Preceptorship	6
EMP 207 Paramedic Team Leader Preceptorship	1
Total Major Requirements	53

Total Semester Credit Hours 76

**Computer competency skills are embedded within one or more courses required in this curriculum.

Emergency Medical Services:
Career Certificate - page 93
Short-Term Certificate - page 105

Environmental Health and 150507 EVT **Safety Technician** **Associate in Applied Science Degree**

Available: Shoals Campus

Advisors: S. McGouyrk (5246) stevem@nwsc.edu

C. Eubanks (5293) eubanks@nwsc.edu

This degree is designed to prepare students for employment as Environmental, Health and Safety Technicians. Students will be trained in the use and application of environmental technology, as well as the management and support of industrial safety processes. Also see the A.S. degree program.

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

General Education Requirements	Semester Hours
BIO 103 Principles of Biology I	4
BIO 201 Human Anatomy and Physiology I	4
CHM 104 Introduction to Inorganic Chemistry	4
CHM 105 Introduction to Organic Chemistry	4
CIS 146 Microcomputer Applications	3
**ENG 101 English Composition I	3
*ENG 130 Technical Report Writing	3
MTH 103 Introduction to Technical Mathematics	3
Fine Arts Elective	3
Social Science Elective	3
*Speech Elective	3
Total General Education Requirements	37

Major Requirements

EVT 101 Introduction to Environmental Science and Technology or PHS 120 Environmental Science ..	4
EVT 105 Introduction to Occupational Safety and Health ...	3
EVT 107 Environmental Health and Safety Assessments and Reporting	3
EVT 110 Introduction to Environmental Laws and Regulations	3
EVT 201 Environmental Internship I	3
EVT 210 Environmental Sampling and Analysis	4
EVT 220 Toxicology	3
EVT 250 Hazardous Waste Operations and Emergency Response	4
EVT 260 Introduction to Industrial Hygiene	3
EVT 280 Hazardous Materials Management	3
Total Major Requirements	33

Total Semester Credit Hours 70

*Students planning to transfer should take ENG 102 and SPH 107.

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

Environmental Health and Safety:
Associate in Science Degree - page 51
Short-Term Certificate - page 106

Industrial Systems Technology **Associate in Applied Science Degree**

Air Conditioning and Refrigeration Option

470303 IAR

Available: Shoals Campus

Advisors: J. Hackworth (5335) joehackworth@nwscc.eduS. Harrison (5250) sam@nwscc.edu

This degree 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 HVAC units.

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
ENG 130 Technical Report Writing or SPH107 Fundamentals of Public Speaking	3
MTH 103 Introduction to Technical Mathematics	3
MTH 118 Technical Mathematics	3
PHY 115 Technical Physics	4
HIS 201 United States History I	3
ART 100 Art Appreciation or MUS 101 Music Appreciation	3
Total General Education Requirements	22

Major Requirements

INT 120 Concepts of Direct Current	5
INT 122 Concepts of Alternating Current	5
INT 130 Concepts of Digital Electronics	5
ILT 175 Computer Fundamentals	3
INT 158 Industrial Wiring I	3
INT 206 Industrial Motors I	3
INT 184 Introduction to Programmable Logic Controllers ..	3
ACR 111 Principles of Refrigeration	3
ACR 119 Fundamentals of Gas Heating Systems	3
ACR 126 Commercial Heating Systems	3
ACR 127 HVACR Electric Motors	3
ACR 148 Heat Pump Systems I	3
ACR 149 Heat Pump Systems II	3
ACR 203 Commercial Refrigeration	3
ACR 209 Commercial Air Conditioning Systems	3
ACR 210 Troubleshooting Air Conditioning Systems	3
Total Major Requirements	54

Total Semester Credit Hours 76

Industrial Systems Technology:

Career Certificate - page 94

Short-Term Certificate - page 106

Industrial Systems Technology **Associate in Applied Science Degree**

Electrical Option

470303 IMO

Available: Shoals Campus

Advisors: R. Garner (5254) wgarner@nwscc.eduS. Harrison (5250) sam@nwscc.edu

This degree is designed to offer students entry level skills in the field of Industrial Systems Technology with a total focus on electrical. A student who graduates in the program should be able to install and maintain all types of plant electrical systems.

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
ENG 130 Technical Report Writing or SPH107 Fundamentals of Public Speaking	3
MTH 103 Introduction to Technical Mathematics	3
MTH 118 Technical Mathematics	3
PHY 115 Technical Physics	4
HIS 201 United States History I	3
ART 100 Art Appreciation or MUS 101 Music Appreciation	3
Total General Education Requirements	22

Major Requirements

INT 120 Concepts of Direct Current	5
INT 122 Concepts of Alternating Current	5
INT 123 Concepts of Solid State Electronics	5
INT 130 Concepts of Digital Electronics	5
ILT 175 Computer Fundamentals	3
INT 158 Industrial Wiring I	3
INT 161 Blueprint Reading for Industrial Technicians	3
INT 118 Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 184 Introduction to Programmable Logic Controllers ..	3
INT 206 Industrial Motors I	3
INT 207 Industrial Automatic Controls	3
INT 211 Industrial Motors II	3
INT 113 Industrial Motor Control I	3
INT 213 Industrial Motor Control II	3
INT 284 Advanced Programmable Logic Controllers	3
Total Major Requirements	53

Total Semester Credit Hours 75

Industrial Systems Technology:

Career Certificate - page 94

Short-Term Certificate - page 106

Industrial Systems Technology

Associate in Applied Science Degree

Mechanical Option

470303 IMO

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

This degree 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
ENG 130 Technical Report Writing or SPH107 Fundamentals of Public Speaking	3
MTH 103 Introduction to Technical Mathematics	3
MTH 118 Technical Mathematics	3
PHY 115 Technical Physics	4
HIS 201 United States History I	3
ART 100 Art Appreciation or MUS 101 Music Appreciation	3
Total General Education Requirements	22

Major Requirements

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 Major Requirements	53

Total Semester Credit Hours 75

Industrial Systems Technology:
Career Certificate - page 94
Short-Term Certificate - page 106

Office Administration

Associate in Applied Science Degree

This degree is designed for students who wish to seek employment upon completing the prescribed curriculum. However, many of these courses may be used in transfer to four-year institutions with business programs.

Accounting Option

520401 OAO

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

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

General Education Requirements	Semester Hours
CIS 146 Microcomputer Applications	3
OAD 110 Computer Navigation or CIS 249 Microcomputer Operating systems	3
ECO 231 Principles of Macroeconomics or ECO 232 Principles of Microeconomics	3
***ENG 101 English Composition I	3
ENG 102 English Composition II	3
MTH 116 Mathematical Applications	3
Humanities or Fine Arts Elective	3
Total General Education Requirements	21

Major Requirements

ACT 249 Payroll Accounting	3
BUS 241 Principles of Accounting I or ACT 141 Basic Accounting Principles	3
BUS 242 Principles of Accounting II or ACT 142 Advanced Accounting Principles	3
*OAD 101 Beginning Keyboarding	3
OAD 103 Intermediate Keyboarding	3
OAD 104 Advanced Keyboarding	3
OAD 126 Advanced Word Processing	3
OAD 130 Electronic Calculations	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 217 Office Management	3
OAD 218 Office Procedures	3
Total Major Requirements	42

OAD Electives

Choose four courses from among:
 OAD 125, 131, 200, 231, 233, 242

Total Semester Credit Hours 75

*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:
Career Certificate - page 95

Administrative Professional Option 520401 OAP

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

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

General Education Requirements	Semester Hours
CIS 146 Microcomputer Applications	3
OAD 110 Computer Navigation or CIS 249 Microcomputer Operating systems	3
ECO 231 Principles of Macroeconomics or ECO 232 Principles of Microeconomics	3
**ENG 101 English Composition I	3
ENG 102 English Composition II	3
MTH 116 Mathematical Applications	3
Humanities or Fine Arts Elective	3
Total General Education Requirements	21

Major Requirements

*OAD 101 Beginning Keyboarding	3
OAD 103 Intermediate Keyboarding	3
OAD 104 Advanced Keyboarding	3
OAD 125 Word Processing	3
OAD 126 Advanced Word Processing	3
OAD 130 Electronic 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	42

OAD Electives

Choose four courses from among:
 OAD 110, 202, 203, 211, 212, 214, 231,
 233, 242, BUS 263

Total Semester Credit Hours 75

*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:

Career Certificate - page 95

Clerical Option 520401 OCO

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

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

General Education Requirements	Semester Hours
CIS 146 Microcomputer Applications	3
OAD 110 Computer Navigation or CIS 249 Microcomputer Operating systems	3
ECO 231 Principles of Macroeconomics or ECO 232 Principles of Microeconomics	3
**ENG 101 English Composition I	3
ENG 102 English Composition II	3
MTH 116 Mathematical Applications	3
Humanities or Fine Arts Elective	3
Total General Education Requirements	21

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 Electronic 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 two courses from among:
 OAD 110, 125, 231, 233, 242

Total Semester Credit Hours 66

*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:

Career Certificate - page 95

Registered Nursing Associate in Applied Science Degree

Available: Phil Campbell Campus

Advisors: A. Bales (6298) abales@nwsc.edu
 C. Dabbs (6250) carole.dabbs@nwsc.edu
 P. Ford (5306) pford@nwsc.edu
 S. Holcomb (6244) susan.holcomb@nwsc.edu
 B. Humphres (6237) bhumphres@nwsc.edu
 S. Logan (6252) logans@nwsc.edu
 S. Oliver (6293) soliver@nwsc.edu
 M. Rogers (6220) mrogers@nwsc.edu
 S. Smith (6207) shelia.smith@nwsc.edu
 D. Sykes (6249) d.sykes@nwsc.edu
 A. Tedford (6256) atedford@nwsc.edu
 C. Tice (6221) ctice@nwsc.edu
 C. Tidwell (5305) cindy@nwsc.edu

GENERAL INFORMATION

The Division of Health Studies offers a five-semester Associate Degree Nursing (ADN) program. Upon satisfactory completion, the Associate of Applied Science Degree is awarded, and the graduate is eligible to apply to take the National Council Licensure Examination (NCLEX-RN) for licensure as a Registered Nurse. Graduation from the program however, does not guarantee Board of Nursing approval to take the NCLEX-RN licensing examination. See Standards of Conduct section.

The Associate Degree Nursing Program supports the Philosophy and Purpose of the College and serves its community by preparing associate degree nurses for a beginning level of practice in varied health settings. The Nursing Program Director and the nursing faculty have the responsibility for administering and evaluating the Associate Degree Nursing Program according to policies and guidelines established by the College and the Alabama Board of Nursing.

The Purpose of the Associate Degree Nursing Program is to:

1. Prepare entry level Registered Nurses who utilize the nursing process to deliver safe, competent care to clients of all ages who have common health problems.
2. Foster learning as a life-long process to remain competent.
3. Prepare entry level Registered Nurses who contribute to society as citizens and members within the discipline of nursing.
4. Provide education at the Associate Degree level, which forms a basis for entry into baccalaureate nursing education.

APPROVALS AND ACCREDITATION

The Associate Degree Nursing Program is state approved by the Alabama Board of Nursing and nationally accredited by the National League for Nursing Accrediting Commission. Each agency's address is provided:

Alabama Board of Nursing
 RSA Plaza, Ste. 250
 770 Washington Ave.
 Montgomery, Alabama 36104
 phone: (334) 242-4060, Fax: (334) 242-4360
 Website: <http://www.abn.state.al.us>

National League for Nursing Accrediting Commission
 3343 Peachtree Road NE
 Suite 500
 Atlanta, Georgia 30326
 phone: (404) 975-5000
 Fax: (404) 975-5020, Website: <http://www.nlnac.org>

All agencies utilized for students' clinical experiences are accredited or licensed by their governing body.

ADMISSION PROCEDURES AND REQUIREMENTS

A generic option and a mobility option are offered. The generic option is for students without previous nursing education. Students are admitted in the fall semester and complete five semesters of nursing.

The mobility option is for Licensed Practical Nurses who graduated from a state-approved school of practical nursing and hold a current, active, and unencumbered Alabama Practical Nursing license. This license must be maintained throughout the program. **Proof of licensure must be on file.**

Students are admitted according to the following priority:

1. First time generic students.
2. Mobility LPNs.
3. Second year readmissions.
4. First year readmissions.
5. Transfer applicants

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

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

GENERIC OPTION

Minimum admission standards for the Associate Degree Nursing Program include:

1. Unconditional admission to the College.
2. Good standing with the College.
3. Receipt of completed application for the Associate Degree Nursing Program by April 1st for fall admission annually.
4. Have a minimum of 2.50 cumulative grade point average based on the most recent 24 credit hours of college work.
5. Eligibility for:
 - a. English 101 and MTH 100 (Intermediate College Algebra) or higher level as determined by college policy, and
 - b. BIO 201 during the first term of nursing courses. NW-SCC is currently in a state-wide pilot program to give students the option to waive BIO 103 and take BIO 201 and BIO 202 without having BIO 103.
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 required for nursing. (See Essential Functions)

Admission to the Associate Degree Nursing Program is competitive, and the number of students is limited by the number of faculty and clinical facilities available.

Meeting minimal requirements does not guarantee acceptance.

The Associate Degree Nursing Program is developed as a combined sequence of nursing and general education courses. The general education courses are offered on both the Shoals and Phil Campbell campuses. The general education courses can be taken before or during the program but taken no later than the semester specified in the curriculum plan. If a student has major responsibilities such as family or work; been away from school for several years; or do not have a strong academic record, taking the general education courses prior to entry is recommended. Successful completion of science and other courses prior to application may result in higher ranking score and improve the chance of being admitted. Prior credit for general education courses does not shorten the length of the nursing curriculum due to sequencing of the nursing courses.

NOTICE: Your ability to comply with the ESSENTIAL FUNCTIONS listed may be evaluated by the nursing faculty at any time that your ability to do so is in question.

THE ALABAMA COLLEGE SYSTEM NURSING PROGRAM ESSENTIAL FUNCTIONS

The Alabama College System endorses the Americans with Disabilities Act. In accordance with College policy, when requested, reasonable accommodations may be provided for individuals with disabilities.

Physical, cognitive, psychomotor, affective and social abilities are required in unique combinations to provide safe and effective nursing care. The applicant/student must be able to meet the essential functions with or without reasonable accommodations throughout the program of learning. Admission, progression and graduation are contingent upon one's ability to demonstrate the essential functions delineated for the nursing programs with or without reasonable accommodations. The nursing programs and/or its affiliated clinical agencies may identify additional essential functions. The nursing programs reserve the right to amend the essential functions as deemed necessary.

In order to be admitted and to progress in the nursing program one must possess a functional level of ability to perform the duties required of a nurse. Admission or progression may be denied if a student is unable to demonstrate the essential functions with or without reasonable accommodations.

The essential functions delineated are those deemed necessary by the Alabama College System nursing programs. No representation regarding industrial standards is implied. Similarly, any reasonable accommodations made will be determined and applied to the respective nursing program and may vary from reasonable accommodations made by healthcare employers.

The essential functions delineated below are necessary for nursing program admission, progression and graduation and for the provision of safe and effective nursing care. The essential functions include but are not limited to the ability to:

1. Sensory Perception
 - a) Visual
 - i) Observe and discern subtle changes in physical conditions and the environment
 - ii) Visualize different color spectrums and color changes
 - iii) Read fine print in varying levels of light
 - iv) Read for prolonged periods of time
 - v) Read cursive writing
 - vi) Read at varying distances
 - vii) Read data/information displayed on monitors/equipment
 - b) Auditory
 - i) Interpret monitoring devices
 - ii) Distinguish muffled sounds heard through a stethoscope
 - iii) Hear and discriminate high and low frequency sounds produced by the body and the environment
 - iv) Effectively hear to communicate with others
 - c) Tactile
 - i) Discern tremors, vibrations, pulses, textures, temperature, shapes, size, location and other physical characteristics
 - d) Olfactory
 - i) Detect body odors and odors in the environment
2. Communication/ Interpersonal Relationships
 - a) Verbally and in writing, engage in a two-way communication and interact effectively with others, from a variety of social, emotional, cultural and intellectual backgrounds
 - b) Work effectively in groups
 - c) Work effectively independently
 - d) Discern and interpret nonverbal communication
 - e) Express one's ideas and feelings clearly
 - f) Communicate with others accurately in a timely manner
 - g) Obtain communications from a computer
3. Cognitive/Critical Thinking
 - a) Effectively read, write and comprehend the English language
 - b) Consistently and dependably engage in the process of critical thinking in order to formulate and implement safe and ethical nursing decisions in a variety of health care settings
 - c) Demonstrate satisfactory performance on written examinations including mathematical computations without a calculator
 - d) Satisfactorily achieve the program objectives
4. Motor Function
 - a) Handle small delicate equipment/objects without extraneous movement, contamination or destruction
 - b) Move, position, turn, transfer, assist with lifting or lift and carry clients without injury to clients, self or others
 - c) Maintain balance from any position
 - d) Stand on both legs
 - e) Coordinate hand/eye movements
 - f) Push/pull heavy objects without injury to client, self or others
 - g) Stand, bend, walk and/or sit for 6-12 hours in a clinical setting performing physical activities requiring energy without jeopardizing the safety of the client, self or others

- h) Walk without a cane, walker or crutches
 - i) Function with hands free for nursing care and transporting items
 - j) Transport self and client without the use of electrical devices
 - k) Flex, abduct and rotate all joints freely
 - l) Respond rapidly to emergency situations
 - m) Maneuver in small areas
 - n) Perform daily care functions for the client
 - o) Coordinate fine and gross motor hand movements to provide safe effective nursing care
 - p) Calibrate/use equipment
 - q) Execute movement required to provide nursing care in all health care settings
 - r) Perform CPR and physical assessment
 - s) Operate a computer
5. Professional Behavior
- a) Convey caring, respect, sensitivity, tact, compassion, empathy, tolerance and a healthy attitude toward others
 - b) Demonstrate a mentally healthy attitude that is age appropriate in relationship to the client
 - c) Handle multiple tasks concurrently
 - d) Perform safe, effective nursing care for clients in a caring context
 - e) Understand and follow the policies and procedures of the College and clinical agencies
 - f) Understand the consequences of violating the student code of conduct
 - g) Understand that posing a direct threat to others is unacceptable and subjects one to discipline
 - h) Meet qualifications for licensure by examination as stipulated by the Alabama Board of Nursing
 - i) Not to pose a threat to self or others
 - j) Function effectively in situations of uncertainty and stress inherent in providing nursing care
 - k) Adapt to changing environments and situations
 - l) Remain free of chemical dependency
 - m) Report promptly to clinicals and remain for 6-12 hours on the clinical unit
 - n) Provide nursing care in an appropriate time frame
 - o) Accepts responsibility, accountability, and ownership of one's actions
 - p) Seek supervision/consultation in a timely manner
 - q) Examine and modify one's own behavior when it interferes with nursing care or learning

Upon admission, an individual who discloses a disability can request reasonable accommodations. Individuals will be asked to provide documentation of the disability in order to assist with the provision of appropriate reasonable accommodations. The respective College will provide reasonable accommodations but is not required to substantially alter the requirements or nature of the program or provide accommodations that inflict an undue burden on the respective College. In order to be admitted one must be able to perform all of the essential functions with or without reasonable accommodations. If an individual's health changes during the program of learning, so that the essential functions cannot be met with or without reasonable accommodations, the student will be withdrawn from the nursing program. The nursing faculty reserves the right at any time to require an additional medical examination at the student's expense in order to assist with

the evaluation of the student's ability to perform the essential functions. Requests for reasonable accommodations should be directed to: ADA Coordinator, Linda Waide, at 331-5321 or lwaide@nwscc.edu

MOBILITY OPTION

In addition to the general admission requirements, students applying to the mobility option **must**:

1. Have completed BIO 201, BIO 202, ENG 101 and MTH 100 (Intermediate College Algebra) or higher with a grade of "C" or higher.
2. Possess and maintain a current, active, and unencumbered Alabama LPN license. Proof must be on file.
3. Be a graduate of a state approved school of practical nursing. Proof must be on file.
4. Must have documentation of employment as an LPN in a health care facility for a minimum of 500-clock hours within the 12 months prior to admission. Proof must be on file.
5. Graduates of the approved Alabama College System PN standardized curriculum may be eligible to enter the ADN program during the third semester without taking NUR 200 if graduation occurred within the previous two years. All other Licensed Practical Nurses' must successfully complete NUR 200.
6. MEET THE ADN APPLICATION DEADLINE: For the mobility option the deadlines are:
 Spring Admission - October 15 (NUR 200 required)
 Summer Admission - February 15 (NUR 200 exempted)

Applications received after the deadline will not be considered unless space is available.

Admission to the Associate Degree Nursing Program is competitive, and the number of students is limited by the number of faculty and clinical facilities available. **Meeting minimal requirements does not guarantee acceptance.**

Preference will be given to graduates of Northwest-Shoals Community College LPN program.

Applicants will be notified in writing by the ADN office of acceptance into the ADN program.

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

TRANSFER POLICY

Students wishing to transfer must:

1. Must meet minimum admission and progression requirements for NW-SCC and the Nursing program.
2. Must possess a grade of C or better in all general education taken at another institution and possess a minimum of a 2.50 cumulative GPA or higher in the last 24 hours at the time of transfer
3. Students must successfully complete the program:
 - a. Within 48 months from initial enrollment in courses with an NUR prefix for ADN students; or
 - b. Within 24 months from initial enrollment in courses with an NUR prefix for PN & LPN to RN Mobility students.

4. Must be a student in good standing and eligible to return to the previous nursing program.
5. Have Dean/Director of previous nursing program provide a letter of eligibility for progression in previous nursing program.
6. Must complete the last three semesters in the ADN (RN) Program at NW-SCC.
7. Must complete the last two semesters in the PN Program at NW-SCC.

Acceptance of transfer students into nursing programs is limited by the number of faculty and clinical facilities available. Meeting minimal standards does not guarantee acceptance.

Transfer deadline for Fall Semester - May 15

Transfer deadline for Spring Semester - October 15

Transfer deadline for Summer Semester - February 15

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 functions 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 tests.
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.

PROGRAM PROGRESSION POLICY:

In order to continue in the nursing program, the student must:

1. Complete all required general education courses according to The Alabama College System Nursing Education curriculum.
2. Maintain a grade of "C" or better in all required general education and nursing courses and maintain a 2.0 cumulative GPA at NW-SCC.

Please note: The Grading Scale for all Nursing Courses in the Nursing Program is:

A = 90-100

B = 80-89

C = 75-79

D = 60-74

F = 59 and below.

3. Be accepted by clinical agencies for clinical experiences.
4. Earn a satisfactory clinical evaluation in all nursing courses with a clinical component.
5. Maintain ability to meet essential functions for nursing with or without reasonable accommodations.
6. Maintain current CPR at the health care provider level.
7. Maintain an adequate level of health including but not limited to annual PPD, and freedom from chemical dependency and/or mental disorder.
8. Successfully complete the nursing education program:
 - a) Within 48 months from initial enrollment in courses with an NUR prefix for ADN students, or
 - b) Within 24 months from initial enrollment in courses with an NUR prefix for PN & LPN to RN Mobility students.

A student that has an unsuccessful attempt in a nursing course (W, D, or F) cannot progress until the course is completed successfully. Course repetition will be based on instructor availability and program resources. Withdrawal and/or a D or F in one or more nursing courses in a term is considered one unsuccessful attempt.

If a student has been unsuccessful in the associate degree nursing program, the student may apply for admission to the practical nursing program. If a student has been unsuccessful in the mobility program, the student may apply for admission to the generic program.

REINSTATEMENT POLICY: (Readmission)

In order to continue in the nursing program, the student must:

1. Students whose progression through the nursing program is interrupted and who desire to be reinstated in the program must schedule an appointment with a nursing faculty advisor to discuss reinstatement. In order to be eligible for reinstatement, the following criteria must be met:
 - a) Apply for readmission to the college if not currently enrolled.
 - b) Submit application requesting reinstatement to the nursing program by the following deadlines:
Fall Semester - May 15
Spring Semester - October 15
Summer Semester - February 15
 - c) Request reinstatement within one year from the term of withdrawal or failure;
 - d) Demonstrate competency in previous nursing courses. This may be evaluated by testing and/or skills validation.
 - e) Adhere to nursing curriculum and/or program policies and procedures effective at the point of reinstatement.
2. Reinstatement to the nursing program is not guaranteed.
3. Reinstatement will be denied due to, but not limited to, any of the following circumstances:
 - a) Grade point average is less than 2.0 from courses completed at the current institution;
 - b) Refusal by clinical agencies to accept the student for clinical experiences;
 - c) Twelve months have elapsed since the student was enrolled in a nursing course;
 - d) Student has been dismissed from the program. Students dismissed from the previous program for disciplinary reasons and/or unsafe/unsatisfactory client care in the clinical area will not be allowed reinstatement to the nursing program.
4. A total of two unsuccessful attempts (D, F, or withdrawal) in the nursing program will result in dismissal.
5. Students who have two unsuccessful attempts in any nursing program (ADN/PN/Mobility) or combination of nursing programs may apply for admission as a new student to any nursing program within the Alabama College System, provided:
 - a) the student meets current entry requirements;
 - b) the student was not dismissed from the previous program for disciplinary reasons or for unsafe/unsatisfactory client care in the clinical area.

STANDARDS OF CONDUCT:

The nursing student shall comply with the standards that determine acceptable behavior of a nurse in accordance with the Alabama Board of Nursing Administrative Code. FAILURE TO COMPLY WITH ANY OF THESE STANDARDS WHILE IN THE NURSING PROGRAM CONSTITUTES GROUNDS FOR DISMISSAL FROM THE PROGRAM.

The following examples of behavior may be grounds for dismissal from the nursing program or for licensure application review by the Alabama Board of Nursing. Any individual who:

1. Is guilty of fraud or deceit in procuring or attempting to procure a license.
2. Is guilty of a crime involving moral turpitude or of gross immorality that would tend to bring reproach upon the nursing profession.
3. Is unfit or incompetent due to the use of alcohol, or is addicted to the use of habit-forming drugs to such an extent as to render the licensee unsafe or unreliable.
4. Is mentally incompetent.
5. Is guilty of unprofessional conduct of a character likely to deceive, defraud, or injure the public in matters pertaining to health.
6. Has willfully or repeatedly violated any of the provisions of this act.
7. Has been convicted of a felony.
8. Has been convicted of any violation of a Federal or State law relating to controlled substances.
9. Has any other reasons authorized by law.
10. Has been placed on a State and/or Federal abuse registry.
11. Has been court martialled or disciplined or administratively discharged by the military.

Students who have demonstrated any of the behaviors prior to or during attendance of the nursing program will have to provide appropriate explanatory documentation with their state board license application. Any concerns related to the above should be discussed with the nursing advisor.

For additional information or a copy of the complete Code, contact the Alabama Board of Nursing. Website: <http://www.abn.state.al.us/main/downloads/admin-code/contents.html>

ANTICIPATED EXPENSES:

As a student in the ADN program, you can anticipate certain necessary expenses. First of all, 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	\$ 1,600.00
Standardized Tests	\$ 400.00
Physical Exam, TB Test & Shots	\$ 350.00
Uniforms and Small Equipment	\$ 345.00
Clinical Kit	\$ 55.00
Clinical ID Badges	\$ 10.00
Drug Screening	\$ 70.00
Liability Insurance	\$ 40.00
Graduation Fee	\$ 35.00
Graduation Pictures	\$ 25.00
Graduation Pin	\$40.00 - \$ 200.00
RN Licensure Application Fee	\$ 85.00
RN Temporary Permit (AL)	\$ 50.00
NCLEX	\$ 200.00
Background Check	\$ 45.00
Total =	\$3,350.00 - \$3,5105.00

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

Registered Nursing 511601 NUR
Associate in Applied Science Degree

- Available: Phil Campbell Campus
 Advisors: A. Bales (6298) abales@nwscce.edu
 C. Dabbs (6250) carole.dabbs@nwscce.edu
 P. Ford (5306) pford@nwscce.edu
 S. Holcomb (6244) susan.holcomb@nwscce.edu
 B. Humphres (6237) bhumphres@nwscce.edu
 S. Logan (6252) logans@nwscce.edu
 S. Oliver (6293) soliver@nwscce.edu
 M. Rogers (6220) mrogers@nwscce.edu
 S. Smith (6207) shelia.smith@nwscce.edu
 D. Sykes (6249) d.sykes@nwscce.edu
 A. Tedford (6256) atedford@nwscce.edu
 C. Tice (6221) ctice@nwscce.edu
 C. Tidwell (5305) cindy@nwscce.edu

The Associate in Applied Science Degree in Nursing is a five semester program, which prepares the graduate to sit for the Registered Nurse licensure examination. Candidates for the Associate in Applied Science in Nursing must complete the prescribed general education course requirements, plus 42 hours in nursing for a total of 72 hours. See your advisor for program completion options.

Semester I	Semester Hours
+MTH 100(Intermediate College Algebra) 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	
+PSY 200 Psychology	3
+BIO 220 Microbiology	4
NUR 201 Nursing Through the Lifespan I	5
	12
Semester IV	
SPH 106 or 107 or 116 Speech	3
PSY 210 Human Growth and Development	3
NUR 202 Nursing Through the Lifespan II	6
	12
Semester V	
+++Humanities Elective	3
NUR 203 Nursing Through the Lifespan III	6
NUR 204 Role Transition for the Registered Nurse	4
(Preceptor 3:1)	13
Total Semester Credit Hours	72

- Nursing:**
 Associate in Science Degree - page 60
 Career Certificate - page 95
 Special Program - page 107

Registered Nursing 511601 MOB
Mobility (LPN-RN)
Associate in Applied Science Degree

Available: Phil Campbell Campus

PREREQUISITES:

MTH 100 (Intermediate College Algebra) or Higher Level (3 credit hours)*

BIO 201 Human Anatomy and Physiology I (4 credit hours)

BIO 202 Human Anatomy and Physiology II (4 credit hours)

ENG 101 English Composition I (3 credit hours)**

Total Prerequisites: 14 credit hours

Must have documentation of employment as an LPN for a minimum of 500-clock hours within the 12 months prior to admission.

Semester II (Spring)

(1st semester for mobility students) Semester Hours
 NUR 200 Nursing Career Mobility Assessment 6

NOTE: Students that graduated from the Alabama College System Practical Nursing Curriculum within 2 years will not be required to take NUR 200.

Semester III (Summer)

+PSY 200 Psychology 3
 +BIO 220 Microbiology 4
 NUR 201 Nursing Through the Lifespan I 5
 12

Semester IV

SPH 106 or 107 or 116 Speech 3
 PSY 210 Human Growth and Development 3
 NUR 202 Nursing Through the Lifespan II 6
 12

Semester V

+++Humanities Elective 3
 NUR 203 Nursing Through the Lifespan III 6
 NUR 204 Role Transition for the Registered Nurse 4
 (Preceptor 3:1) 13

Skills Validations required for NUR 200. Upon successful completion of NUR 200, students are eligible to progress into NUR 201. Upon successful completion of the Mobility Program, students will receive 15 to 21 non-traditional credit hours.

Total Semester Credits 72

*May choose from MTH 110, MTH 112, MTH 265, or equivalent.

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

+Must be completed with a grade of "C" or higher before or during the semester noted above. All other general education courses must be completed with a grade of "C" or higher in order to graduate.

+++Choose from ART (for transfer program - ART 100); Music (for transfer program - MUS 101); Foreign Language; Philosophy; Religion; Theater; Literature

Computer competency skills are embedded within one or more courses required in this curriculum.