

**Child Development
Short-Term Certificate** 190708 CHD

Available: Phil Campbell and Shoals Campuses
 Advisors: D. Durdunji (5450) durdunji@nwscc.edu
 D. Pace (5352) pace@nwscc.edu

This short-term certificate is designed to prepare students for employment in preschool programs. Emphasis is upon developing competency in guiding the experience of preschool children. Graduates may be employed as teachers or directors in private and public preschool programs; and as aides in Head Start.

Classes in this plan are designed to meet the Alabama state minimum standard qualifications for a director, program director, and teacher in a licensed child care center.

This certificate program offers the student background knowledge of all stages of child growth and development; training and practical experience in conducting all types of learning activities with children; knowledge and application of techniques in positive guidance and discipline, health, safety, and first aid practices, and a basic knowledge of the state minimum standards for daycare centers and homes.

Any person who has an interest in or a desire to upgrade his or her knowledge in child care work and has a high school diploma or GED will be eligible for this short-term certificate.

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

	Semester		Hours
	Theory	Lab	
CHD 201 Child Growth and Development Principles	3	0	3
CHD 202 Children's Creative Experiences	2	2	3
CHD 203 Children's Literature and Language Development	2	2	3
CHD 204 Methods and Materials for Teaching Children	2	2	3
CHD 206 Children's Health and Safety	3	0	3
CHD 205 Program Planning for Educating Young Children	3	0	3
CHD 215 Supervised Practical Experience in Early Childhood Education	0	6	3
**CHD Electives	6	0	6

Total Semester Credit Hours 27

****CHD Electives**

- CHD 100 Introduction to Early Care and Education
- CHD 208 Administration of Child Development Programs
- CHD 209 Infant and Toddler Education Programs
- CHD 210 Educating Exceptional Young Children
- CHD 214 Families and Communities in Early Care

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

Available: Shoals Campus
 Advisors: T. James (6281) timmy.james@nwscc.edu
 T. Roberson (5276) roberson@nwscc.edu
 E. Carter (5277) cartere@nwscc.edu
 S. Chandler (5234) schandler@nwscc.edu
 J. James (6234/5346) jamesje@nwscc.edu
 P. Peters (6326) ppeters@nwscc.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	Semester Hours
CIS 110 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 Programming Electives	15
CIS Elective	6
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 110 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	6
Programming Electives	3
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 Technology
PC Hardware Technician
Short-Term Certificate** 110101 PCH

Available: Shoals Campus
Advisors: S. Harrison (5250) sam@nwsc.edu
S. Chandler (5234) schandler@nwsc.edu
T. James (6281) timmy.james@nwsc.edu
T. Roberson (5276) roberson@nwsc.edu
J. James (6234/5346) jamesje@nwsc.edu
P. Peters (6326) ppeters@nwsc.edu

Almost all businesses today utilize microcomputers in their operations, whether they are large or small businesses. The investment they have made in microcomputers requires ongoing maintenance and service. The need for qualified technicians is continually expanding. These technicians need to know how to diagnose, configure, install, upgrade, and service industry standard microcomputers. This program is designed to provide the skills to become employed as a PC Hardware Technician.

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

	Semester		
	Theory	Lab	Hours
CIS 249 Microcomputer Operating Systems	3	0	3
ILT 101 Survey of Electronics	3	0	3
ILT 112 Concepts of Digital Circuits	3	6	5
ILT 131 Personal Computer Problem Determination	2-3	3-0	3
CIS 110 Intro to Computer Logic and Programming	3	0	3
*CIS 199 Network Communications or ILT 135 Local Area Networks	3	0	3
CIS 268 Software Support or ILT 130 Software Installation and Maintenance	3	0	3
CIS 269 Hardware Support or ILT 129 Personal Computer Hd.	3	0	3
**CIS 146 Microcomputer Applications or ILT 175 Computer Fundamentals for Technology Students	3	0	3

Total Semester Credit Hours **29**

* Course offered during summer semester only.

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

**Computer Technology
PC Software Technician
Short-Term Certificate** 110101 PST

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

The rapid expansion of microcomputer systems in all phases of business operations has generated a demand for knowledgeable technicians who can install, upgrade, service, and support industry standard software for microcomputers. This program will train the student to use PC operating systems, word processing, spreadsheets, database, and other related software tools which are commonly used in business.

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

	Theory Lab		Semester Hours
**CIS 146 Microcomputer Applications	3	0	3
CIS 147 Advanced Microcomputer Applications	3	0	3
*CIS 148 Post Advanced Microcomputer Applications	3	0	3
CIS 249 Microcomputer Operating Systems	3	0	3
CIS Elective	3	0	3
MTH 246 Mathematics of Finance or MTH 116 Mathematical Appl.	3	0	3
CIS 268 Software Support or ILT 130 PC Software Installation and Maintenance	2-3	3-0	3
OAD 133 Business Communications	3	0	3

Total Semester Credit Hours 24

* Course offered during summer semester only.
 **Students without prior computer knowledge or keyboarding should enroll in CIS 096.

**Cosmetology
AOT Degree**

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

Students desiring to receive the AOT Award must complete all major certificate courses, one minor certificate course of study, and the required credit hours of general education courses in Areas I, II, III, and IV. Upon completion of all the courses listed, students are eligible to receive the Associate in Occupational Technology Degree. Students desiring to take general education courses for transfer to another institution should consult an advisor for proper general education course selection.

Core Degree Requirements for the Associate in Occupational Technology Degree

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

	Semester Hours
Area I: Written Composition English Composition I and/or Technical Writing	3
Area II: Humanities and Fine Arts	3
Area III: Natural Science and Mathematics A minimum of 3 hours in degree creditable mathematics is required. The additional 6 hours of degree creditable coursework may be taken from disciplines of math, biology, chemistry, physical science, physics, environmental technology and computer science.	9
Area IV: History, Social and Behavioral Sciences Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.	3
Minimum General Requirements	18

Major Requirements	Semester Hours
COS 111 Cosmetology Science and Art	3
COS 112 Cosmetology Science and Art Lab	3
COS 113 Chemical Methodology	3
COS 114 Chemical Methodology	3
COS 121 Colorimetry	3
COS 122 Colorimetry Applications	3
COS 123 Cosmetology Salon Practices	3
COS 124 Salon Management	3
COS 131 Esthetics	3
COS 132 Esthetics Applications	3
COS 143 Hair Designs	3
COS 181 Special Topics	3
COS Electives	6
Total Major Requirements	42