

Plans of Study

The College is authorized to award the Associate in Arts, Associate in Science, Associate in Occupational Technology, and Associate in Applied Science degrees as well as certificates in occupationally specific areas. These degrees and certificates are obtained by students successfully completing a series of courses called a “program” of study.

Every effort is made to ensure that the courses and programs described in this catalog are offered to students in an appropriate and reasonable sequence. Students should be aware, however, that admission to the College or registration for a given semester does not guarantee the availability of a specific course or a program of courses that may be under review for continuance. Availability of courses and programs is determined by student demand, instructor availability, and periodic program reviews. Whenever a program is determined to have insufficient numbers to continue institutional support, students currently enrolled will, whenever possible, be given notification of the decision and sufficient time to complete the program with continuous enrollment. If new students are enrolled after this decision, they will be advised of the tentative status of the program and their potential inability to complete the program.

On the following pages is a list of the programs which have specific courses outlined in the appropriate section of this catalog devoted to that particular degree or certificate. Each degree or certificate section has a brief introductory explanation of the distinctions of that award. “Linkage programs” require students to take specialized courses at other colleges.

University Parallel Plans

Programs leading to the Associate in Arts and the Associate in Science degrees are referred to as “university-parallel programs” because they are designed to prepare the student to transfer to a four-year college or university to pursue a Bachelor of Arts or a Bachelor of Science degree.

Either the Associate in Arts (A.A.) or the Associate in Science (A.S.) degree may be awarded.

The College lists specific pre-professional and other university-parallel programs in this catalog; however, not listed are many pre-professional and university programs which the College offers through special planning. A student in consultation with an academic advisor usually can develop an educational program using the current catalog that parallels the first two years of the program of the four-year institution to which the student plans to transfer. In a few instances, one or two specialized courses may not be taught, but the student can substitute electives that may fulfill the requirements of the institution to which the student will transfer. In summary, individual programs can be produced to meet the needs of the transfer student.

The pre-professional and other university parallel programs listed on the following pages are examples of the transfer programs offered at the College. There are other combinations of courses that can be taken offering a variety of transfer program possibilities at the College. A student who plans to transfer to a senior institution should obtain the current catalog of that institution to use as a check sheet in fulfilling freshman and sophomore course requirements of that institution. All A.A. or A.S. program outlines may be adjusted to the student's needs so long as the “General Education Core” requirements specified are met and the program follows a specific university-parallel program.

Entering students should be aware that it is quite common that a student will need to take additional pre-requisite courses. For example, the appropriate beginning course in mathematics or English will be determined by placement scores and high school preparation; the beginning course in the Computer Information Systems program will depend on the prior experience of the student in computers and mathematics. A student may be required to enroll in a reading course prior to some college courses.

Associate in Arts Degrees

Associate in Science Degrees

Associate in Arts Degree

Art	240101	ART
General Liberal Arts	240101	GLA
Music	240101	MUS
Pre-Law	240101	LAW
Teacher Education		
Pre-Elementary Education	240101	EED
Pre-Secondary Education	240101	ESD

Associate in Science Degree

Agriculture - Vocational Education	240102	AGR
Business Administration	240102	BUA
Child Development	240102	CD 240102 CDS
Computer Information Systems	240101CI	
Pre-Computer Science	240102	CS
Environmental Health & Safety	240102	EHS
General Education	240102	GEN
Fire Science/Fire Service Management	240102	FSM
Medical Technology	240102	MT
Outdoor Leadership	240102	ODL
Pre-Chemical Laboratory Technician	240102	CLT
Pre-Criminal Justice	240102	PCJ
Pre-Dentistry	240102	DEN
Pre-Engineering	240102	ENG
Pre-Environmental Biology	240102	EB
Pre-Environmental Science	240102	ES
Pre-Financial Planning & Counseling	240102	FIN
Pre-Forestry	240102	FOR
Pre-Health, Physical Education and Recreation ..	240102	HPR
Pre-Industrial Hygiene	240102	IH
Pre-Medicine	240102	MED
Pre-Nursing (B.S.N.)	240102	BSN
Pre-Optometry	240102	OPT
Pre-Pharmacy	240102	PHA
Pre-Physical Therapy	240102	PPT
Pre-Veterinary Medicine	240102	VET
Water & Wastewater Management & Technology ..	240102	WMT

The Associate in Arts and Associate in Science degrees require a minimum of 60 semester hours credit for completion. These degrees are essentially planned sets of general education courses that make up the first half of a four-year baccalaureate degree. Thus, Associate in Arts and Associate in Science degree students do not officially major in an academic discipline at the College. Majors are actually defined by the institutions to which these students transfer. However, Associate in Arts and Associate in Science degree students are assigned to an advisor on the basis of an intended major or field of interest indicated by individual students. Also, programs of study have been outlined in the catalog to guide students in the choice and sequence of particular courses.

It is the student's responsibility to become familiar with the requirements of the senior institution to which transfer may occur. A student planning to transfer should follow a prescribed transfer program in order to prevent loss of credit upon transferring. Students should consult with their advisor or the Advising Center before registering.

Note 1: The specific courses are suggested for graduation and transfer requirements. Students should consult the requirements of the senior institution to which they plan to transfer.

Placement in college level English, math, and science courses depends upon scores achieved in placement tests (ASSET, COMPASS, or ACT). Placement in developmental level courses may be required to encourage student success but will not count toward graduation.

Note 2: The College recommends that students take a sequence in literature and history. However, the state requirement is that at least one history and one literature must be completed with a sequence in one or the other. If only one literature is completed, the student must take an additional course from Area II to replace it. If only one history is completed, the student must take an additional course from Area IV to replace it. Only ART 100 or MUS 101 will generally meet the fine art requirement at transfer institutions. The philosophy and foreign language courses are additional humanities electives.

Core Degree Requirements for the Associate in Arts Degree or the Associate in Science Degree

The Associate Degree (A.A. or A.S.) is awarded to a student completing a planned university-parallel program designed to meet the requirements of the first two years of a Bachelor of Arts Degree or a Bachelor of Science Degree. The requirements vary with individual four-year institutions; therefore, students should consult the catalog of the four-year college to which they plan to transfer, discuss plans with their advisor, and/or consult the Advising Center. All associate degrees contain the following core requirements:

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and ENG 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252, or ENG 261 and 262	
SPH 107	3
Elective: Choose one course from among ART 100, MUS 101, PHL 106, PHL 206, THR 120, Foreign Language	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO, CHM, PHS, PHY	
***Math: Choose one from MTH 112 or MTH 110 or above	3
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	
Social and Behavioral Sciences: Choose two courses from among ECO 231, 232, GEO 100, POL 211, PSY 200, 210, SOC 200, 210	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. A student evaluated with such skills must successfully complete an additional three-hour elective from any area in lieu of CIS 146. Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective.	

Total Semester Transfer Hours 60-64

* See note 2 on page 45.

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

***MTH 116 is not a degree creditable transfer course and will not meet the Area III Math requirement.

Art Associate in Arts Degree

240101 ART

Available: Phil Campbell and Shoals Campuses
Advisors: J. Frederick (6294/5494) jfrederick@nwscc.edu

This degree has been developed as a guideline for those students planning to major or minor in art. Students planning to major or minor in art should consult the university to which they plan to transfer and plan their program of study in consultation with the Art Department.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ...	
SPH 107	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language*	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202; PHY 213, 214	
Math: Choose one course from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	
Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
ART 113, 114, 121, 127, 299	
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective	

Total Semester Transfer Hours 60-64

* See note 2 on page 45.

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

Pre-Law 240101 LAW Associate in Arts Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: K. Brackins (6242) kbrackins@nwsccl.edu
 R. England (5309) england@nwsccl.edu
 R. Stone (5301) rstone@nwsccl.edu

This degree is designed for students who plan to transfer to a four-year institution to complete requirements for admission to law school.

While students planning careers in law may pursue a wide variety of undergraduate programs of study, a broad liberal arts education is considered an ideal preparation for the study of law.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 .. 6 SPH 107	
3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language*	
3	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202; PHY 213, 214	
8 Math: Choose one from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238	
3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	
6 Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210	
6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
ECO 231, 232; HED 226, PHL 206, POL 211, PSY 200, SOC 200 (If not already completed for Area IV) CIS 146 or demonstrated equivalent computer competency skills. PED can be used as a general elective.	

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

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

General Liberal Arts 240101 GLA Associate in Arts Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: M. McClung (6313) mcclung@nwsccl.edu
 D. Benson (5296) dbenson@nwsccl.edu
 R. Head (5332) bobhead@nwsccl.edu
 R. Stone (5301) rstone@nwsccl.edu
 C. Thornton (5294) cht@nwsccl.edu
 T. Kelley (5486/6287) tkelley@nwsccl.edu
 T. Shackelford (6260) shackelford@nwsccl.edu
 V. Curtis (5442) curtis@nwsccl.edu
 P. Sealy (5324) sealy@nwsccl.edu

This plan has been developed for students seeking a liberal arts degree. Students should decide as early as possible at which four-year institution they will complete the last two years of work for the bachelor's degree. Substitution of courses may be made according to the specific requirements of the institution to which the student plans to transfer. Changes must be recommended by an advisor and approved by the Vice President of Instruction.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262	
6 SPH 107	
3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language*	
3	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202; PHY 213, 214	
8 Math: Choose one course from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238	
3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	
6 Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210	
6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective.	

Total Semester Transfer Hours 60-64

* See note 2 on page 45.

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

Music 240101 MUS

Associate in Arts Degree

Available: Phil Campbell Campus
 Advisors: B. Head (5332) bobhead@nwsc.edu
 J. McAlister (6299) j.mcalister@nwsc.edu

This degree has been developed as a guideline for those students planning a major or minor in music. Students planning a major in music therapy, music theater, or commercial music should consult the university from which they will receive a degree and plan their program of study in consultation with the Music Department.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ...	6
SPH 107	3
MUS 101	3
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202; PHY 213, 214	8
Math: Choose one course from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238 ...	3
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	6
Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210	6
Area V: Pre-Professional, Pre-Major, and Elective Courses	22
MUS 111, 112, 113, 114, 211, 212	14
(If not taken in Area II)	
4 hours of applied music	4
4 hours of music ensemble	4
Total Semester Transfer Hours	63

* See note 2 on page 45.

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

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

Teacher Education 240101 EED

(Pre-Elementary Education)

Associate in Arts Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: T. Kelley (5486/6287) tkelley@nwsc.edu
 S. Crabtree (6258) scrabtree@nwsc.edu
 G. Long (5334) glong@nwsc.edu
 A. Lyndon (5319) lyndon@nwsc.edu
 M. McClung (6313) mclung@nwsc.edu
 J. McIntosh (5323) jmcintosh@nwsc.edu
 R. Stone (5301) rstone@nwsc.edu
 V. Curtis (5442) curtis@nwsc.edu

This degree is designed for students who plan to transfer to a four-year institution to complete requirements for teaching in an elementary school. All students entering elementary education programs at senior institutions must satisfactorily complete a language competency examination. Many institutions require foreign language or computer science courses. Consult your advisor.

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

	Semester Hours
Area I: Written Composition: **ENG 101 and 102	6
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262	6
SPH 107	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language*	3
Area III: Natural Sciences and Mathematics	11
Science: BIO 103 and 104	8
Math: Choose one course from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238	3
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	6
Social and Behavioral Sciences: ****Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210	6
Area V: ***Pre-Professional, Pre-Major, and Elective Courses:	19-23
Choose two science courses representing two different disciplines other than Biology: CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202, 213, 214	8
*****One math from area III and 1 or 2 from MTH 100 or above	6-9
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective	2-9
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

***Some universities require HED 226 or PED (Athens State)

****Most universities prefer PSY 200 and PSY 210.

*****UNA requires 3 maths; Athens State requires 4 maths
 UNA requires a Spanish course.

Teacher Education 240101 ESD

(Pre-Secondary Education)

Associate in Arts Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: G. Long (5334) glong@nwsc.edu
 K. Brackins (6242) kbrackins@nwsc.edu
 M. Lee (5491) mlee@nwsc.edu
 S. Crabtree (6258) scrabtree@nwsc.edu
 R. England (5309) england@nwsc.edu
 T. Kelley (5486/6287) tkelley@nwsc.edu
 J. McIntosh (5323) jmcintosh@nwsc.edu
 R. Stone (5301) rstone@nwsc.edu
 M. Nesbitt (5320) mnesbitt@nwsc.edu

This degree is designed for students who plan to transfer to a four-year institution to complete requirements for teaching in high school. Consideration should be given to major subject areas such as English, science, history, or mathematics. All students entering secondary education programs at senior institutions will be required to pass a language competency examination. Many institutions require foreign language courses. Consult your advisor.

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

	Semester Hours
Area I: Written Composition: **ENG 101 and 102	6
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272,	
ENG 251 and 252 or ENG 261 and 262	6
SPH 107	3
Elective: Choose one course from among	
ART 100, MUS 101, PHL 206*, THR 120,	
Foreign Language*	3
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from	
among BIO 103, 104; CHM 104, 105,	
111, 112; PHS 111, 112; PHY 201, 202,	
213, 214	8
Math: Choose one course from MTH 110 or	
112 (or above), MTH 113, 120,	
125, 126, 227, 237, 238	3
(MTH 110 not acceptable for math and	
science teachers.)	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102	
or HIS 201 and 202	6
Social and Behavioral Sciences: Choose	
two courses from among ECO 231, 232;	
GEO 100; POL 211; PSY 200, 210;	
SOC 200, 210***	6
Area V: Pre-Professional, Pre-Major, and	
Elective Courses:	19-23
CIS 146 or demonstrated	
equivalent computer competency skills.	
Elective courses appropriate to individual	
student and transfer institution. PED can	
be used as a general elective.	
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

***Most universities prefer PSY 200 and PSY 210.

UNA requires a Spanish course.

Agriculture 240102 AGR

(Vocational Education)

Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: M. Murphy (6246) docm@nwsc.edu

This degree is designed for students who plan to transfer to a four-year institution with a major in vocational agricultural education. By consultation with the advisor, an outline can be arranged to convert this program of study to agriculture science.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272,	
ENG 251 and 252 or ENG 261 and 262 ..	6
SPH 107	3
Elective: Choose one course from among	
ART 100, MUS 101, PHL 206*, THR 120,	
Foreign Language*	3
Area III: Natural Sciences and Mathematics	11
Science: A Chemistry Sequence from	
CHM 104 and 105 or CHM 111 and 112 .	8
Math: Choose one from MTH 112 (or above)	
MTH 113, 120, 125, 126, 227, 237, 238 .	3
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102	
or HIS 201 and 202	6
Social and Behavioral Sciences:	
Choose two courses from among	
ECO 231, 232; GEO 100; POL 211,	
PSY 200, 210; SOC 200, 210	6
Area V: Pre-Professional, Pre-Major, and	
Elective Courses:	19-23
BIO 103, 104	8
CIS 146 or demonstrated	
equivalent computer competency skills.	
ECO 231, PSY 200, SOC 200 (if not	
taken in Area IV) or elective courses	
appropriate to individual student and	
transfer institutions. PED can be used	
as a general elective.	11-15
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Business Administration 240102 BUA Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: T. McClinton (5212) mcclinton@nwscce.edu
 J. James (6234/5346) jamesje@nwscce.edu
 P. Hogan (5232) hogan@nwscce.edu
 J. Baltes (5353) jbates@nwscce.edu
 P. Peters (6326) ppeters@nwscce.edu
 D. South (5211) dsouth@nwscce.edu

This degree is designed for the student to transfer to four-year institutions that offer degrees in various areas of business administration such as Accounting, Banking and Finance, Management, and Marketing.

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

	Semester Hours
Area I: Written Composition 6 **ENG 101 and 102	6
Area II: Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 .. 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	12
Area III: Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO, PHS, PHY, CHM 8 Math: Choose one from MTH 112 or above*** 3	11
Area IV: History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 ECO 231 and 232 6	12
Area V: Pre-Professional, Pre-Major, and Elective Courses 19-23 BUS 241 and 242 6 Business Electives: Choose three courses from among BUS 215, BUS 263, BUS 271, BUS272, BUS 275, BUS 285, BUS 279 9 CIS 146 3 General Elective 1-5 PED can be used as a general elective.	19-23
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

***Some schools require calculus, MTH 125 or MTH 120.

Pre-Chemical Laboratory 240102 CLT Technician Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: C. Sockwell (5378) sockwell@nwscce.edu
 M. Murphy (6246) docm@nwscce.edu
 C. Eubanks (5293) eubanks@nwscce.edu

This degree is designed for students who plan to transfer to four-year institutions offering a degree in Chemical Technology. Also see the short-term certificate program.

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

	Semester Hours
Area I: Written Composition 6 **ENG 101 and 102	6
Area II: Humanities and Fine Arts 12 ENG 271 or 272 and ENG 130*** 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, or Foreign Language* 3	12
Area III: Natural Sciences and Mathematics 11 CHM 111 and CHM 112 8 MTH 113 3	11
Area IV: History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 ECO 231 3 Choose one course from among ECO 232; GEO 100; POL 211; PSY 200, 210; SOC 200, 210 3	12
Area V: Pre-Professional, Pre-Major, and Elective Courses 22-23 CIS 146 3 CHM 221 and CHM 222 8 PHY 201 and PHY 202 8 Choose one course from among BIO 103, BIO 220, MTH 265 3-4	22-23
Total Semester Transfer Hours	63-64

*See note 2 on page 45.

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

***This course may not transfer.

Child Development 240102 CD Teacher Education (Pre-Early Childhood) Associate in Science Degree

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

This degree is designed for the student to transfer to Athens State University for completion of an Early Childhood Major (P-3rd grade) for a Bachelor of Science Degree in Education.

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

	Semester Hours
Area I: Written Composition: **ENG 101 and 102.....	6
Area II: Humanities and Fine Arts.....	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ...	6
SPH 107.....	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120 or Foreign Language*.....	3
Area III: Natural Sciences and Mathematics.....	14
Science: BIO 103 and 104.....	8
****Math: Choose from MTH 100, MTH 110 and MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238 ...	6
Area IV: History, Social and Behavioral Science.....	12
*History: HIS 101 and 102 or HIS 201 and 202.....	6
Social and Behavioral Sciences: PSY 200 and SOC 200.....	6
Area V: Pre-Professional, Pre-Major, and Elective Courses:.....	17
CHD 206 and CHD 209.....	6
CIS 146.....	3
PHS 111.....	4
CHD Electives.....	3
Choose three hours from the following electives: CHD 201, 202, 210 Physical Education.....	1

Total Semester Transfer Hours 61

*See note 2 on page 44.

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

Students who take CHD 201, CHD 202 and CHD 210 will not be required to take PSY 332, SE 301 or AR 310 if attending Athens State University to obtain an Early Childhood Education Degree.

****Additional maths may be required.

Child Development 240102 CDS Pre-Human Environmental Science Associate in Science Degree

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

This degree concentrates on the growth and development of young children (birth to 5). Students learn to apply developmental principles in the design, implementation, and evaluation of programs for young children.

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

	Semester Hours
Area I: Written Composition: ENG 101 and 102.....	6
Area II: Humanities and Fine Arts.....	12
*Literature: Choose a sequence ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262.....	6
SPH 107.....	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, or Foreign Language*.....	3
Area III: Natural Sciences and Mathematics.....	11
Science: BIO 103 and 104.....	8
Math: Choose from MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238.....	3
Area IV: History, Social and Behavioral Science.....	12
*History: Choose a sequence HIS 101 and 102 or HIS 201 and 202.....	6
Social and Behavioral Sciences: PSY 200 and SOC 200.....	6
Area V: Pre-Professional, Pre-Major, and Elective Courses:.....	21-24
Through articulation agreements with the University of Alabama and the University of North Alabama, students who hold this degree will be allowed to transfer 21 to 24 hours of their CHD course work toward a B.S. degree in the area of Human Environmental Science. The CHD courses generally accepted are included below:	
*CIS 146	
**CHD 201 Child Growth and Development	
**CHD 203 Children's Literature and Language Development	
**CHD 204 Methods and Materials	
CHD 206 Children's Health and Safety	
CHD 210 Educating Exceptional Young Children	
CHD 209 Infant and Toddler Education Programs	
CHD 205 Program Planning	
*CHD 208 Administration of Child Development Programs	
*CHD 202 Creative Experiences	
*CHD 215 Supervised Practical Experience	

Total Semester Transfer Hours 64

*Specific to the University of North Alabama

**Specific to the University of Alabama

NOTE: Please see a child development advisor if interested in this degree. This degree does not lead to teacher certification by the State Department of Education.

Computer Information Systems 240101 CI Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: T. James (6281) timmy.james@nwsc.edu
 T. Roberson (5276) roberson@nwsc.edu
 J. James (6234/5346) jamesje@nwsc.edu
 S. Chandler (5234) schandler@nwsc.edu
 P. Peters (6326) ppeters@nwsc.edu

This degree is designed for students who plan to transfer to four-year institutions for a major in Computer Information Systems or Management Information Systems. It is designed to provide skills for an entry-level position as an applications developer while providing the general education program for further study toward a baccalaureate degree.

Each program requires individual adjustment to prepare for transfer and the student should be in contact with the transfer institution as the A.S. degree is pursued. Students are trained primarily on IBM-compatible Personal Computers.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	14
Science: Choose two core courses from among BIO, CHM, PHS, PHY 8 Math: Choose one from MTH 112 or above 3 ***CIS 146 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Choose two courses from among ECO 231, ECO 232, POL 200, POL 211, PSY 200, PSY 210, SOC 200 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	16-20
BUS 241 and 242 6 CIS Electives 6 CIS Programming Elective 3 General Electives 1-5 PED can be used as a general elective.	

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

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

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

Pre-Computer Science 240102 CS Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: T. James (6281) timmy.james@nwsc.edu
 T. Roberson (5276) roberson@nwsc.edu
 J. James (6234/5346) jamesje@nwsc.edu
 S. Chandler (5234) schandler@nwsc.edu
 P. Peters (6326) ppeters@nwsc.edu

This degree is designed to prepare students for transfer to a four-year institution for a major in Computer Science, Computer Engineering, or Software Engineering, usually offered in a school of engineering or mathematics. Each program requires individual adjustment to prepare for transfer and the student should be in contact with the transfer institution as the A.S. degree is pursued. Students are trained primarily on IBM-compatible Personal Computers.

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

	Semester Hours
Area I: Written Composition	6
***ENG 101 and 102	
Area II: Humanities and Fine Arts	12
***Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	25
Science: Choose two core courses from among BIO, CHM, PHS, PHY 8 MTH 112** 3 MTH 113 3 MTH 125 4 MTH 126 4 ****CIS 146 3	
Area IV: History, Social and Behavioral Science	12
***History: HIS 101 and 102 or HIS 201 and 202 6 Choose two courses from among ECO 231, ECO 232, POL 200, POL 211, PSY 200, PSY 210, SOC 200 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	5-9
CIS Programming Electives 3-6 General Electives 2-3 PED can be used as a general elective.	

Total Semester Transfer Hours 60-64

*Although these courses will transfer, they may not satisfy the Fine Arts requirement of universities.

**Students with high placement scores may skip the lower math courses.

*** See note 2 on page 45.

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

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

Pre-Criminal Justice 240102 PCJ Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: E. Bowen (5303) eddie.bowen@nwsc.edu
 K. Brackins (6242) kbrackins@nwsc.edu

This degree is designed for students who plan to transfer to four-year institutions to major in Criminal Justice.

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

Semester Hours	
Area I:	Written Composition 6 **ENG 101 and 102
Area II:	Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3
Area III:	Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202, 213, 214 8 MTH 112 or MTH 110 (finite) 3
Area IV:	History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Choose two courses from among ECO 231, 232; GEO 100; POL 211; PSY 200, 210; SOC 200 6
Area V:	Pre-Professional, Pre-Major, and Elective Courses 19-23 CRJ 100, CRJ 110, CRJ 140, and CRJ electives 12 CIS 146 3 MTH 265 or CRJ Elective 3 General Electives 1-5 PED can be used as a general elective.

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

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

Pre-Dentistry 240102 DEN Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisor: M. Murphy (6246) docm@nwsc.edu
 L. Horton (5298) lhorton@nwsc.edu
 R. Jones (5367) _jonesr@nwsc.edu
 C. Sockwell (5378) sockwell@nwsc.edu

This degree is designed for students who plan to transfer to an institution with various types of professional programs to complete requirements for a degree. All these curricula have the same basic requirements.

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

Semester Hours	
Area I:	Written Composition 6 **ENG 101 and 102
Area II:	Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3
Area III:	Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO 103, 104; CHM 111, 112; PHY 201, 202, 213, 214 8 Math: Choose one from MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 3
Area IV:	History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6
Area V:	Pre-Professional, Pre-Major, and Elective Courses 19-23 CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, BIO 104, BIO 220, CHM 111, CHM 112, CHM 221, CHM 222, PHY 201, PHY 202, PHY 213, PHY 214, MTH 125, MTH 265

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

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

General Education Associate in Science Degree

240102 GEN

Available: Phil Campbell and Shoals Campuses
 Advisors: A. Lyndon (5319) lyndon@nwscce.edu
 D. Benson (5296) dbenson@nwscce.edu
 R. England (5309) england@nwscce.edu
 T. Kelley (5486/6287) tkelley@nwscce.edu
 M. Lee (5491) mlee@nwscce.edu
 M. McClung (6313) mcclung@nwscce.edu
 C. Thornton (5294) cht@nwscce.edu
 A. Walker (5358) walker@nwscce.edu
 K. Ward (5370) wardk@nwscce.edu
 L. Vaughn (6283) lvaughn@nwscce.edu
 V. Curtis (5442) curtis@nwscce.edu

This degree is designed for students seeking a general education core for transfer to four-year institutions. It allows flexibility in the selection of general electives or courses preparatory for a major. Students should consult the catalog of the college to which they intend to transfer and consult their advisor.

Students may earn this degree through distance education.

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

Semester Hours

Area I:	Written Composition 6 **ENG 101 and 102
Area II:	Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3
Area III:	Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 201, 202, 213, 214 8 Math: Choose one course from MTH 110 or MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238 3
Area IV:	History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 200, 210; SOC 200, 210 6
Area V:	Pre-Professional, Pre-Major, and Elective Courses: 19-23 CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective.
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Pre-Engineering Associate in Science Degree

240102 ENG

Available: Phil Campbell and Shoals Campuses
 Advisors: T. Howard (5259) howard@nwscce.edu
 C. Eubanks (5293) eubanks@nwscce.edu

This degree is designed for students who plan to transfer to four-year institutions to complete requirements for a degree in Engineering.

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

Semester Hours

Area I:	Written Composition 6 ***ENG 101 and 102
Area II:	Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3
Area III:	Natural Sciences and Mathematics 12 Science: Choose two core courses from among PHY 213 and 214 8 Math: MTH 125 MTH 113, 120, 125, 126, 227, 237, 238... 4
Area IV:	History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6
Area V:	Pre-Professional, Pre-Major, and Elective Courses 18-22 Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from CIS 231 or CIS 251, CHM 111, CHM 112, CHM 221, CHM 222 (for CHE), EGR electives, MTH 125, 126, 227, 237, 238 ECO 232 is the preferred elective in Area IV.
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

**University requirements may vary. See your advisor for substitution.

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

Pre-Environmental Biology 240102 EB Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: R. Jones (5367) jonersr@nwscc.edu
 L. Horton (5298) lhorton@nwscc.edu
 M. Murphy (6246) docm@nwscc.edu

This degree is designed for students who plan to transfer to UNA or other four-year institutions to complete requirements for a degree.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
Science: BIO 103 and 104 8 Math: MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 ... 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 220, CHM 111, CHM 112, CHM 221, CHM 222, MTH 125, MTH 265, PHY 213, PHY 214, PHY 201, PHY 202	
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Pre-Environmental Science 240102 ES Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: C. Eubanks (5293) eubanks@nwscc.edu
 C. Sockwell (5378) sockwell@nwscc.edu
 M. Murphy (6246) docm@nwscc.edu

This degree is designed for students who plan to transfer to four-year institutions offering a degree in Environmental Science.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 111, 112; PHY 201, 202, 213, 214 8 Math: MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 ... 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, BIO 104, BIO 220, CHM 111, CHM 112, MTH 125, MTH 126, MTH 265 Elective courses appropriate to individual student and transfer institutions	
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Environmental Health and Safety Associate in Science Degree

240102 EHS

Available: Shoals Campus
 Advisors: S. McGouyrk (5246) stevem@nwsc.edu
 C. Eubanks (5293) eubanks@nwsc.edu

*This degree is designed for students who plan to transfer to four-year institutions offering a degree in Public Safety Administration or Environmental Health and Safety. Also see the A.A.S. degree and short-term certificate programs.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
***Literature: ENG 271 and 272,	
ENG 251 and 252 or ENG 261 and 262 ...	6
SPH 107	3
Elective: Choose one course from among	
ART 100, MUS 101, PHL 206***,	
THR 120, Foreign Language	3
Area III: Natural Sciences and Mathematics	11
Science: CHM 104 and PHS120	8
Math: Choose one from MTH 110,	
MTH 112 or above	3
Area IV: History, Social and Behavioral Science	12
***History: HIS 101 and 102	
or HIS 201 and 202	6
Social and Behavioral Sciences:	
Choose two courses from among	
ECO 231, ECO 232, GEO 100,	
POL 211, PSY 200, PSY 210,	
SOC 200, SOC 210	6
Area V: Pre-Professional, Pre-Major, and	
Elective Courses	22-23
EVT 105, EVT 107, EVT 110,	
EVT 220, EVT 250, EVT 260	19
Choose one course from among	
EVT 201, EVT 210, EVT 280	3-4

Total Semester Transfer Hours 63-64

*This program specifically links to the Public Safety Administration program at Athens State University. Students transferring to other institutions should consult with the senior institution to which they plan to transfer concerning transferability of PHS 120 and the EVT courses.

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

***See note 2 on page 45.

Pre-Financial Planning and Counseling Associate in Science Degree

240102 FIN

Available: Phil Campbell and Shoals Campuses
 Advisors: E. Carter (5277) cartere@nwsc.edu
 J. Baltes (5353) jbates@nwsc.edu
 J. James (6234/5346) jamesje@nwsc.edu

This degree of study is focused on developing students with a broad theoretical background in the social sciences. Students will also learn to apply that knowledge toward the solution of practical problems of individual and family economic well being. (Currently, the Bachelors degree for this program is offered at the University of Alabama through distance education.)

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

	Semester Hours
Area I: Written Composition	6
***ENG 101 and 102	
Area II: Humanities and Fine Arts	12
**Literature: ENG 271 and 272,	
ENG 251 and 252 or ENG 261 and 262 ...	6
SPH 107	3
Elective: Choose one course from among	
ART 100, MUS 101, PHL 206*, THR 120,	
Foreign Language*	3
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses	
from among BIO, PHS, PHY, CHM	8
Math: MTH 120 or above	3
Area IV: History, Social and Behavioral Science	12
**History: HIS 101 and 102	
or HIS 201 and 202	6
ECO 231, ECO 232	6
Area V: Pre-Professional, Pre-Major, and	
Elective Courses	19-23
BUS 241, BUS 271, BUS 272	9
CIS 146	3
General Elective	7-11
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

**Must choose a 6 semester hour sequence in either Literature or History.

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

Fire Science/Fire Service Management Associate in Science Degree

240102 FSM

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

*This degree is designed for students who plan to transfer to four-year institutions offering a degree in fire science or public safety administration. Also see the short-term certificate program.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
***Literature: ENG 271 and 272 6	
SPH 107 3	
Elective: Choose one course from among ART 100, MUS 101, PHL 206***, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
Science: BIO 103 and CHM 104 8	
Math: Choose one from MTH 112 or above 3	
Area IV: History, Social and Behavioral Science	12
***History: HIS 101 and 102 or HIS 201 and 202 6	
Social and Behavioral Sciences: Choose two courses from among ECO 231, GEO 100; POL 200, PSY 200; SOC 200 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses:	21
BUS 241 3	
(BUS 242 also recommended)	
CIS 146 3	
FSC 101, FSC 200, FSC 210, FSC 240, FSC 292 15	

Total Semester Transfer Hours 62

*This program specifically links to the Public Safety Administration program at Athens State University. Students transferring to other institutions should consult with the senior institution to which they plan to transfer concerning transferability of the FSC courses.

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

***See note 2 on page 45.

Pre-Forestry Associate in Science Degree

240102 FOR

Available: Phil Campbell and Shoals Campuses
Advisors: M. Murphy (6246) docm@nwsc.edu
L. Horton (5298) lhorton@nwsc.edu

This degree is designed for transfer to four-year institutions offering a forestry degree.

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

	Semester Hours
Area I: Written Composition	6
***ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6	
SPH 107 3	
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
***Science: Choose two core courses from among BIO 103, 104 8	
Math: MTH 112 (or above) MTH 113, 120, 125, 126, 227, 237, 238... 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6	
Social and Behavioral Sciences: Choose two courses from among ECO 231 (preferred), ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective. Choose from MTH 113, MTH 125, MTH 265, CIS 146, BUS 271, PHY 201 .. 14	
General Electives 5-9	

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

***Mississippi State science requirements may differ, especially in Biology.

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

Pre-Health, Physical Education and Recreation Associate in Science Degree

240102 HPR

Available: Phil Campbell and Shoals Campuses
 Advisor: M. Lee (5491) mlee@nwsc.edu
 T. Shackelford (6260) shackelford@nwsc.edu
 K. Ward (5370) wardk@nwsc.edu
 J. McIntosh (5323) jmcintosh@nwsc.edu

This degree is designed for students who plan to transfer to four-year institutions and major various areas of health, physical education and recreation.

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

	Semester Hours
Area I: Written Composition 6 ****ENG 101 and 102	6
Area II: Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	12
Area III: Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO 103, 104; CHM 104, 105 CHM 111, 112; PHS 111, 112; PHY 201, 202, 213, 214 8 Math: Choose one from MTH 110***, 112, 113, 120, 125, 126, 227, 237, 238... 3	11
Area IV: History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	12
Area V: Pre-Professional, Pre-Major, and Elective Courses 20-23 CIS 146 3 PED or HED electives 11-14 General Electives 6-9 PED can be used as a general elective.	20-23
Total Semester Transfer Hours	61-64

*See note 2 on page 45.

***Some four-year institutions will not accept MTH 110 in Area III.

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

Pre-Industrial Hygiene Associate in Science Degree

240102 IH

Available: Phil Campbell and Shoals Campuses
 Advisor: C. Sockwell (5378) sockwell@nwsc.edu
 Mike Murphy (6246) docm@nwsc.edu

This degree is designed for students who plan to transfer to UNA to complete requirements for a degree.

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

	Semester Hours
Area I: Written Composition 6 ***ENG 101 and 102	6
Area II: Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	12
Area III: Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO 103; CHM 111, 112 8 Math: MTH 112 (higher is preferred) MTH 113, 125, 126 3	11
Area IV: History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	12
Area V: Pre-Professional, Pre-Major, and Elective Courses 19-23 CIS 146 3 Choose from CHM 221, CHM 222, BIO 220 8 Choose two from MTH 125, MTH 126, MTH 265 7-8 General Electives 1-4 PED can be used as a general elective.	19-23
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Medical Technology 240102 MT Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: R. Jones (5367) jonesr@nwsc.edu
 M. Murphy (6246) docm@nwsc.edu
 C. Sockwell (5378) sockwell@nwsc.edu

This degree is designed for students who plan to transfer to UAB, Auburn or other institutions offering a four-year medical technology degree.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 . 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
Science: CHM 111 and 112 8 Math: Choose one from MTH 110 or MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, 232; GEO 100; POL 211, PSY 210; SOC 200, 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses:	19-23
Choose from BIO 103, 201, 202; CHM 221, 222; PHY 201, 202; MTH 265, CIS 146 Elective courses appropriate to individual student and transfer institution. PED can be used as a general elective.	
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Pre-Medicine 240102 MED Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisor: M. Murphy (6246) docm@nwsc.edu
 R. Jones (5367) jonesr@nwsc.edu
 L. Horton (5298) lhorton@nwsc.edu
 J. McIntosh (5323) jmcintosh@nwsc.edu
 C. Sockwell (5378) sockwell@nwsc.edu

This degree is designed for students who plan to transfer to an institution with various types of professional programs to complete requirements for a degree. All these curricula have the same basic requirements.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 111, 112; PHY 201, 202, 213, 214 8 Math: Choose one from MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, BIO 104, BIO 220, CHM 111, CHM 112, CHM 221, CHM 222, PHY 201, PHY 202, PHY 213, PHY 214, MTH 125, MTH 265	
Total Semester Transfer Hours	60-64

*See note 2 on page 45.

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

Pre-Nursing (B.S.N.) 240102 BSN Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisors: R. Edwards (5268) ron.edwards@nwscc.edu
 J. Alls (6229) joe.alls@nwscc.edu
 R. Trapp (5237/6288) rachel.trapp@nwscc.edu

This degree is designed for students who plan to transfer to a four-year institution for a Bachelor of Science Degree in Nursing (B.S.N.). To verify course transferability to a specific institution, students should consult an advisor from the program which they plan to enter.

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

	Semester Hours
Area I: Written Composition	6
****ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107	3
Elective: Choose one course from among ART 100, MUS 101, THR 120	3
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, CHM 104, or CHM 111 8 Math: Choose one from MTH 112 (or higher)***, MTH 113, 120, 125, 126, 227, 237, 238	3
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	6
Social and Behavioral Sciences: Choose PSY 200 and one course from among ECO 231, ECO 232, GEO 100, POL 211, PSY 210, SOC 200, SOC 210 ...	6
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
Must take BIO 201, BIO 202, BIO 220, PSY 210 (if not taken in Area IV) Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from PHL 206, MTH 265 or BUS 271, CHM 105 or CHM 112	

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

***Some institutions may accept MTH 110.

****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.

Pre-Optometry 240102 OPT Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
 Advisor: M. Murphy (6246) docm@nwscc.edu
 R. Jones (5367) jonesr@nwscc.edu
 J. McIntosh (5323) jmcintosh@nwscc.edu
 C. Sockwell (5378) sockwell@nwscc.edu

This degree is designed for students who plan to transfer to an institution with various types of professional programs to complete requirements for a degree. All these curricula have the same basic requirements.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107	3
Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language*	3
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among BIO 103, 104; CHM 111, 112; PHY 201, 202, 213, 214	8
Math: Choose one from MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238	3
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202	6
Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210	6
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, BIO 104, BIO 220, CHM 111, CHM 112, CHM 221, CHM 222, PHY 201, PHY 202, PHY 213, PHY 214, MTH 125, MTH 265	

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

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

Outdoor Leadership 240102 ODL Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
Advisors: R. England (5309) england@nwsc.edu

This degree is designed to offer interdisciplinary courses for transfer to four-year institutions or for entry-level professional positions in the outdoors. Emphasis in this program places responsibility for learning in the hands of students through a combination of internships, off-campus activities, and service.

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

	Semester Hours
Area I: Written Composition 6 **ENG 101 and 102	6
Area II: Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 PHL 206* 3	12
Area III: Natural Sciences and Mathematics 11 BIO 103 and 104 8 Math: Choose one from MTH 112 or MTH 110 (finite) or above 3	11
Area IV: History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 GEO 100 3 Social and Behavioral Sciences: Choose one course from among ECO 231, 232; POL 211; HIS 260 3	12
Area V: Pre-Professional, Pre-Major, and Elective Courses: 20 CIS 146 or demonstrated equivalent computer competency skills. EMS 100 1 EMS 101 1 EMS 105 3 ODL 121 3 ODL 200 3 ODL 221 3 ODL 260 3 Choose from ODL 299, PED 226, PED 236, PED 246 1-3	20

Total Semester Transfer Hours 60-64

Because of the experiential nature of many of the courses in this program, it is to be expected that students may possess training which matches that offered in our courses. As a result, some courses may be waived as a result of prior experiences. To apply for course waiver or exemption, please see the Outdoor Leadership Coordinator.

*See note 2 on page 45.

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

Pre-Pharmacy 240102 PHA Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
Advisors: C. Sockwell (5378) sockwell@nwsc.edu
C. Taylor (5462/6218) taylor@nwsc.edu

This degree is designed for students who plan to transfer to an institution offering a degree in pharmacy.

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

	Semester Hours
Area I: Written Composition 6 **ENG 101 and 102	6
Area II: Humanities and Fine Arts 12 *Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	12
Area III: Natural Sciences and Mathematics 11 Science: Choose two core courses from among BIO 103, 104; CHM 111, 112; PHY 201, 202, 213, 214 8 Math: MTH 112 (higher is preferred) MTH 113, 120, 125, 126, 227, 237, 238 ... 3	11
Area IV: History, Social and Behavioral Science 12 *History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	12
Area V: Pre-Professional, Pre-Major, and Elective Courses 19-23 Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, BIO 104, BIO 201, BIO 202, BIO 220, CIS 130, CIS 146, CHM 111, CHM 112, CHM 221, CHM 222, PHY 201, PHY 202, PHY 213, PHY 214, MTH 113, MTH 125, MTH 265	19-23

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

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

Pre-Physical Therapy 240102 PPT Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
Advisors: C. Sockwell (5378) sockwell@nwsc.edu

This degree is designed for students who plan to transfer to a four-year institution to complete requirements for a M.S. in Physical Therapy. To verify course transferability, students should consult an advisor and program to which they plan to transfer.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
*Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, THR 120 3	
Area III: Natural Sciences and Mathematics	11
Science: Choose two courses from among BIO 103, BIO 104, CHM 111, CHM 112, PHY 201, PHY 202, PHY 213, PHY 214 8 Math: MTH 112 (higher is preferred) MTH 113, MTH 120, MTH 125, MTH 126 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
CIS 146 or demonstrated equivalent computer competency skills. Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from BIO 103, 104, 201, 202; CHM 111, 112; PHY 201, 202, 213, 214; MTH 113, 125, 265	

Total Semester Transfer Hours 60-64

**See note 2 on page 45.

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

Pre-Veterinary Medicine 240102 VET Associate in Science Degree

Available: Phil Campbell and Shoals Campuses
Advisors: C. Sockwell (5378) sockwell@nwsc.edu
L. Horton (5298) lhorton@nwsc.edu
M. Murphy (6246) docm@nwsc.edu
R. Jones (5367) jonesr@nwsc.edu

This degree is designed for students who plan to transfer to an institution offering a degree in veterinary medicine.

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

	Semester Hours
Area I: Written Composition	6
***ENG 101 and 102	
Area II: Humanities and Fine Arts	12
**Literature: ENG 271 and 272, ENG 251 and 252 or ENG 261 and 262 ... 6 SPH 107 3 Elective: Choose one course from among ART 100, MUS 101, PHL 206*, THR 120, Foreign Language* 3	
Area III: Natural Sciences and Mathematics	11
***Science: BIO 103, 104 8 Math: Choose from MTH 113, 120, 125, 126, 227, 237, 238 3	
Area IV: History, Social and Behavioral Science	12
*History: HIS 101 and 102 or HIS 201 and 202 6 Social and Behavioral Sciences: Choose two courses from among ECO 231, ECO 232, GEO 100, POL 211, PSY 200, PSY 210, SOC 200, SOC 210 6	
Area V: Pre-Professional, Pre-Major, and Elective Courses	19-23
Elective courses appropriate to individual student and transfer institutions. PED can be used as a general elective. Choose from CHM 111, CHM 112, CHM 221, CHM 222, PHL 206, PHY 201 or PHY 213, CIS 146	

Total Semester Transfer Hours 60-64

*See note 2 on page 45.

**All entering students are required to complete ORI 101.

***Mississippi State science requirements may differ.

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

Water and Wastewater Management and Technology Associate in Science Degree 240102 WWT

Available: Shoals Campus
 Advisor: S. McGouyrk (5246) stevem@nwscc.edu
 M. Murphy (6246) docm@nwscc.edu

*This degree is designed as a guideline for students who plan to transfer to four-year institutions offering a degree in water and wastewater management and technology. Also see the short-term certificate program.

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

	Semester Hours
Area I: Written Composition	6
**ENG 101 and 102	
Area II: Humanities and Fine Arts	12
***Literature: ENG 271 and 272..... 6	
SPH 107..... 3	
Elective: Choose one course from among ART 100, MUS 101, PHL 106, PHL 206***, THR 120, Foreign Language*	
3	
Area III: Natural Sciences and Mathematics	11
Science: Choose two core courses from among CHM 104, 105, 111, and 112 (Chemistry Sequence Preferred) BIO 103, 104, PHY 201, 202, 213, 214 PHS 111, 112, 120*	
8	
Math: Choose one from MTH 112 or above	
3	
Area IV: History, Social and Behavioral Science	12
***History: HIS 101 and 102 or HIS 201 and 202	
6	
Social and Behavioral Sciences: Choose two courses from among ECO 231, GEO 100, POL 200, PSY 200, SOC 200	
6	
Area V: Pre-Professional, Pre-Major Courses	21
WMT 290, WMT 291 or CIS Elective	
3	
WMT 100, WMT 101, WMT 102, WMT 120, WMT 213, WMT 214	
18	
Total Semester Transfer Hours	62

*This program specifically links to the Public Safety Administration program at Athens State University. Students transferring to other institutions should consult with the senior institution concerning transferability of PHS 120 and the WMT classes.

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

***See note 2 on page 45.

Career, Technical and Occupational Programs

Plans leading to the Associate in Applied Science and the Associate in Occupational Technology degrees are college-level programs of study designed to prepare students to enter occupational, semi-professional, or para-professional employment. Though many of the courses in these programs transfer to four-year colleges and universities, the primary intent is to prepare students for immediate employment after successful completion of a two-year program of courses.

Certificates are awarded to students who successfully complete the requirements of specific technical or occupational programs. These programs are offered to students who want to prepare for specific occupational employment. These programs vary in length from two to five semesters, and some do not require a high school diploma for admission.

The College offers several short certification programs at Northwest-Shoals Community College on an "as needed" basis. We refer to these short certification programs as General Certificate Programs. Many of these programs meet the minimum requirements for taking state board or other qualifying examinations.