

■ = Accepted by NCSU to meet the new Humanities & Soc Science Requirements. (These requirements apply to students entering NCSU Summer II, 2009 or later.) Students transferring into NCSU-engineering programs have additional restrictions. See the A1010D program or consult an advisor.

◀ = Required Courses ■ = Recommended Courses

College Success Skills: 1 SHC required	
ACA 122 College Transfer Success	___ 1
GENERAL EDUCATION CORE (44 SHC)	
English Composition: 6 SHC required	
ENG 111 ◀ Expository Writing	___ 3
ENG 112 ■ Argument-Based Research	___ 3
OR	
ENG 114 Prof Research & Reporting	___ 3
Humanities/Fine Arts: 9 SHC required	
Select one course from three different categories. One must be a Literature course.	
Art	
ART 111 Art Appreciation	___ 3
ART 114 ■ Art History Survey I	___ 3
ART 115 ■ Art History Survey II	___ 3
ART 116 ■ Survey of American Art	___ 3
ART 117 Non-Western Art History	___ 3
Communications	
COM 110 Intro to Communications	___ 3
COM 120 ■ Interpersonal Communications	___ 3
(at NCSU COM 120 is a Social Science)	
COM 140 Intro Intercultural Comm.	___ 3
COM 231 ■ Public Speaking	___ 3
Foreign Languages	
FRE 111 Elementary French I	___ 3
FRE 112 Elementary French II	___ 3
FRE 211 Intermediate French I	___ 3
FRE 212 Intermediate French II	___ 3
GER 111 Elementary German I	___ 3
GER 112 Elementary German II	___ 3
GER 211 Intermediate German I	___ 3
GER 212 Intermediate German II	___ 3
*SPA 111 Elementary Spanish I	___ 3
**SPA 112 Elementary Spanish II	___ 3
SPA 211 Intermediate Spanish I	___ 3
SPA 212 Intermediate Spanish II	___ 3
*SPA 181 corequisite **SPA 182 corequisite	
Student may place into FRE 112, GER 112, SPA 112	
Humanities	
HUM 110 ■ Technology and Society	___ 3
HUM 115 Critical Thinking	___ 3
HUM 120 Cultural Studies	___ 3
HUM 160 Intro to Film	___ 3
HUM 211 Humanities I	___ 3
HUM 212 Humanities II	___ 3
Literature – One course required	
ENG 131 Intro to Literature	___ 3
ENG 233 ■ Major American Writers	___ 3
ENG 243 ■ Major British Writers	___ 3
ENG 261 World Literature I	___ 3
ENG 262 World Literature II	___ 3
Music	
MUS 110 ■ Music Appreciation	___ 3
MUS 112 ■ Intro to Jazz	___ 3
MUS 113 American Music	___ 3
MUS 114 Non-Western Music	___ 3
MUS 213 Opera and Musical Theatre	___ 3

Philosophy	
PHI 210 History of Philosophy	___ 3
PHI 240 ■ Introduction to Ethics	___ 3
Religion	
REL 110 ■ World Religions	___ 3
REL 211 ■ Intro to the Old Testament	___ 3
REL 212 ■ Intro to the New Testament	___ 3
Social/Behavioral Sciences: 9 SHC required	
Select three courses from three different categories. One must be a History course.	
Anthropology	
ANT 210 General Anthropology	___ 3
ANT 221 Comparative Cultures	___ 3
ANT 240 ■ Archaeology	___ 3
Economics	
ECO 251 ■ Prin of Microeconomics	___ 3
ECO 252 ■ Prin of Macroeconomics	___ 3
Geography	
GEO 111 World Regional Geography	___ 3
History – One course required	
HIS 111 ■ World Civilizations I	___ 3
HIS 112 ■ World Civilizations II	___ 3
HIS 121 ■ Western Civilization I	___ 3
HIS 122 ■ Western Civilization II	___ 3
HIS 131 ■ American History I	___ 3
HIS 132 ■ American History II	___ 3
Political Science	
POL 120 ■ American Government	___ 3
POL 210 ■ Comparative Government	___ 3
POL 220 ■ International Relations	___ 3
Psychology	
PSY 150 ■ General Psychology	___ 3
Sociology	
SOC 210 ■ Intro to Sociology	___ 3
SOC 213 ■ Sociology of the Family	___ 3
SOC 220 ■ Social Problems	___ 3
SOC 225 Social Diversity	___ 3
Mathematics: 6 SHC minimum	
See note on reverse about course sequences	
Select one course.	
MAT 171 Precalculus Algebra	___ 3
MAT 175 Precalculus	___ 4
MAT 271 Calculus I	___ 4
Select one course.	
*MAT 151 Statistics I	___ 3
MAT 155 Statistical Analysis	___ 3
MAT 172 Precalculus Trigonometry	___ 3
MAT 175 Precalculus	___ 4
MAT 263 Brief Calculus	___ 3
MAT 271 Calculus I	___ 4
MAT 272 Calculus II	___ 4
MAT 273 Calculus III	___ 4
CIS 115 Intro to Prog & Logic	___ 3

*MAT 151A corequisite (lab counts in OTHER REQUIRED HOURS)

Natural Sciences: 8 SHC minimum	
Select a two-course sequence in General Biology, General Chemistry, or General Physics.	
Select one of the following sequences:	
BIO 111 General Biology I	___ 4
AND	
BIO 112 General Biology II	___ 4
CHM 151 General Chemistry I	___ 4
AND	
CHM 152 General Chemistry II	___ 4
♦PHY 151 College Physics I	___ 4
AND	
♦PHY 152 College Physics II	___ 4
*PHY 251 General Physics I	___ 4
AND	
PHY 252 General Physics II	___ 4
*MAT 271 is a prerequisite and MAT 272 is a corequisite	
♦Do not take PHY 151 or PHY 152 if you have successfully completed PHY 251 and PHY 252	
Other Mathematics/Natural Science	
General Education Courses: 6 SHC required	
Select from the Mathematics/Natural Science below:	
AST 111 Descriptive Astronomy AND	___ 3
AST 111A Descriptive Astronomy Lab	___ 1
BIO 111 General Biology I	___ 4
BIO 112 General Biology II	___ 4
BIO 120 Introductory Botany	___ 4
BIO 130 Introductory Zoology	___ 4
BIO 140 Environmental Biology AND	___ 3
BIO 140A Environmental Biology Lab	___ 1
CHM 151 General Chemistry I	___ 4
CHM 152 General Chemistry II	___ 4
CIS 115 Intro to Prog & Logic	___ 3
GEL 111 Intro to Geology	___ 4
*MAT 151 Statistics I	___ 3
MAT 155 Statistical Analysis	___ 3
MAT 263 Brief Calculus	___ 3
MAT 271 Calculus I	___ 4
MAT 272 Calculus II	___ 4
MAT 273 Calculus III	___ 4
PHY 151 College Physics I	___ 4
PHY 152 College Physics II	___ 4
PHY 251 General Physics I	___ 4
PHY 252 General Physics II	___ 4
*MAT 151A corequisite (lab counts in OTHER REQUIRED HOURS)	

(Continued on next page)

OTHER REQUIRED HOURS (20 SHC)**Required Courses: 14 SHC**

Select 14 SHC from the following list **or** from any *Mathematics* or *Natural Science* courses **NOT USED** to fulfill the General Education requirement.

AST 111	Descriptive Astronomy <i>AND</i>	3
AST 111A	Descriptive Astronomy Lab	1
BIO 111	General Biology I	4
BIO 112	General Biology II	4
BIO 120	Introductory Botany	4
BIO 130	Introductory Zoology	4
BIO 140	Environmental Biology <i>AND</i>	3
BIO 140A	Environmental Biology Lab	1
BIO 155	Nutrition	3
BIO 163	Basic Anatomy & Physiology	5
BIO 168	Anatomy & Physiology I	4
BIO 169	Anatomy & Physiology II	4
BIO 275	Microbiology	4
BIO 280	Biotechnology	3
CHM 131	Intro to Chemistry <i>AND</i>	3
CHM 131A	Intro to Chemistry Lab	1
CHM 132	Organic & Biochemistry	4
CHM 151	General Chemistry I	4
CHM 152	General Chemistry II	4
CHM 251	Organic Chemistry I	4
CHM 252	Organic Chemistry II	4
CIS 110	Introduction to Computers	3
CIS 115	Intro to Prog & Logic	3
CSC 120	Computing Fundamentals I	4
CSC 130	Computing Fundamentals II	4
CSC 134	C++ Programming	3
CSC 139	Visual BASIC Programming	3
CSC 151	Java Programming	3
CSC 220	Machine Implem of Algor	4
CSC 239	Adv. Visual BASIC Program	3
EGR 150	Introduction to Engineering	2
GEL 111	Introductory Geology	4
MAT 140	Survey of Mathematics	3
MAT 151	Statistics I <i>AND</i>	3
MAT 151A	Statistics I Lab	1
MAT 155	Statistical Analysis	3
MAT 161	College Algebra	3
MAT 162	College Trigonometry	3
MAT 165	Finite Mathematics	3
MAT 167	Discrete Mathematics	3
MAT 252	Statistics II	3
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4
MAT 280	Linear Algebra	3
MAT 285	Differential Equations	3
PHS 140	Weather and Climate	3
PHY 151	College Physics I	4
PHY 152	College Physics II	4
PHY 251	General Physics I	4
PHY 252	General Physics II	4

Other courses to complete 6 SHC:

ACA 122 counts in this category 1 shc

Select 5 SHC from any General Education and Pre-Major courses.

These courses may be *Mathematics* or *Natural Science* courses but may also include any course on the **Courses Approved for Transfer** list.

2 or 3 SHC of Health or P.E. are recommended:

HEA 110	Personal Health/Wellness	3
PED 110	Fit and Well for Life	2
Or 2 PED Activity courses (1 SHC)		1
		1
PHI 250	Philosophy of Science	3

MATHEMATICS COURSE SEQUENCES

The first required math class for the degree **must** be MAT 171 or higher. MAT 161 will not substitute for MAT 171.

MAT 140, 161, and 162 are credited in the **Other Required Hours** category.

The math department suggests the following sequences of math courses for all students who are not ready to start with MAT 271:

MAT 171
MAT 172
MAT 271

Students who believe their math placement should start at the MAT 271: Calculus I level should request the College Algebra and College Trigonometry Placement tests from the Admissions Office.

For the student who has **already** completed MAT 161 **before** entering an AS program:

This sequence must be approved by the Department Chair of Math and Science for an individual student :

MAT 161
MAT 172*
MAT 271

*A student who has not completed MAT 171 will not be able to register him/herself for MAT 172. Seek the assistance of your academic advisor.

A student who completes MAT 161 + MAT 162 or MAT 171 + MAT 172 should NOT take MAT 175.

Developmental Courses

Based on placement test scores, students may need to complete developmental courses before enrolling in these curriculum courses. However these developmental courses do not give credit towards this degree.