

A1040E  
Associate in Science  
Pre-Major Mathematics

General Education

**Required Courses** Class      Lab      Clinic/Exp      Credits

*Students must take all of the following courses:*

ENG	111	Expository Writing	3	0	0	3
MAT	175	Precalculus	4	0	0	4
MAT	271	Calculus I	3	2	0	4
MAT	272	Calculus II	3	2	0	4
PHY	251	General Physics I	3	3	0	4
PHY	252	General Physics II	3	3	0	4

**English Composition**

*Students must select a course from the following:*

ENG	112	Argument-Based Research	3	0	0	3
ENG	113	Literature-Based Research	3	0	0	3
ENG	114	Prof Research & Reporting	3	0	0	3

**Humanities/Fine Arts**

*Students must select 9 hours from the following courses:*

ART	111	Art Appreciation	3	0	0	3
COM	110	Introduction to Communication	3	0	0	3
COM	120	Intro Interpersonal Com	3	0	0	3
COM	231	Public Speaking	3	0	0	3
DRA	111	Theatre Appreciation	3	0	0	3
DRA	122	Oral Interpretation	3	0	0	3
DRA	126	Storytelling	3	0	0	3
ENG	131	Introduction to Literature	3	0	0	3
ENG	231	American Literature I	3	0	0	3
ENG	232	American Literature II	3	0	0	3
ENG	241	British Literature I	3	0	0	3
ENG	242	British Literature II	3	0	0	3
ENG	261	World Literature I	3	0	0	3
ENG	262	World Literature II	3	0	0	3
FRE	111	Elementary French I	3	0	0	3
FRE	112	Elementary French II	3	0	0	3
FRE	211	Intermediate French I	3	0	0	3
FRE	212	Intermediate French II	3	0	0	3
GER	111	Elementary German I	3	0	0	3
GER	112	Elementary German II	3	0	0	3
GER	211	Intermediate German I	3	0	0	3
GER	212	Intermediate German II	3	0	0	3

HUM	110	Technology and Society	3	0	0	3
HUM	115	Critical Thinking	3	0	0	3
HUM	120	Cultural Studies	3	0	0	3
ITA	111	Elementary Italian I	3	0	0	3
ITA	112	Elementary Italian II	3	0	0	3
ITA	211	Intermediate Italian I	3	0	0	3
ITA	212	Intermediate Italian II	3	0	0	3
MUS	110	Music Appreciation	3	0	0	3
MUS	112	Introduction to Jazz	3	0	0	3
MUS	210	History of Rock Music	3	0	0	3
MUS	211	History of Country Music	3	0	0	3
PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
REL	110	World Religions	3	0	0	3
REL	211	Intro to Old Testament	3	0	0	3
REL	212	Intro to New Testament	3	0	0	3
REL	221	Religion in America	3	0	0	3
RUS	111	Elementary Russian I	3	0	0	3
RUS	112	Elementary Russian II	3	0	0	3
RUS	211	Intermediate Russian I	3	0	0	3
RUS	212	Intermediate Russian II	3	0	0	3

### **Social/Behavioral Science-History**

*Students must select a course from the following:*

HIS	121	Western Civilization I	3	0	0	3
HIS	122	Western Civilization II	3	0	0	3
HIS	131	American History I	3	0	0	3
HIS	132	American History II	3	0	0	3

### **Social/Behavioral Science-Elective**

*Students must select 6 hours from the following courses:*

ANT	210	General Anthropology	3	0	0	3
ANT	220	Cultural Anthropology	3	0	0	3
ECO	151	Survey of Economics	3	0	0	3
ECO	251	Prin of Microeconomics	3	0	0	3
ECO	252	Prin of Macroeconomics	3	0	0	3
GEO	111	World Regional Geography	3	0	0	3
GEO	112	Cultural Geography	3	0	0	3
GEO	113	Economic Geography	3	0	0	3
GEO	130	General Physical Geography	3	0	0	3
HIS	111	World Civilizations I	3	0	0	3
HIS	112	World Civilizations II	3	0	0	3
HIS	115	Intro to Global History	3	0	0	3
HIS	121	Western Civilization I	3	0	0	3
HIS	122	Western Civilization II	3	0	0	3
HIS	131	American History I	3	0	0	3
HIS	132	American History II	3	0	0	3

POL	110	Intro Political Science	3	0	0	3
POL	120	American Government	3	0	0	3
POL	210	Comparative Government	3	0	0	3
POL	220	International Relations	3	0	0	3
PSY	150	General Psychology	3	0	0	3
PSY	237	Social Psychology	3	0	0	3
PSY	241	Developmental Psych	3	0	0	3
PSY	281	Abnormal Psychology	3	0	0	3
SOC	210	Introduction to Sociology	3	0	0	3
SOC	213	Sociology of the Family	3	0	0	3
SOC	220	Social Problems	3	0	0	3
SOC	225	Social Diversity	3	0	0	3

## Core

### Required Courses

*Students must take all of the following courses:*

MAT	273	Calculus III	3	2	0	4
ACA	122	College Transfer Success	1	0	0	1

### Other Required Hours-Math

*Students must select a course from the following:*

MAT	280	Linear Algebra	3	0	0	3
MAT	285	Differential Equations	3	0	0	3

### Other Required Hours-Computer

*Students must select a course from the following:*

CSC	134	C++ Programming	2	3	0	3
CSC	151	JAVA Programming	2	3	0	3

### Other Required Hours-Elective

*Students must select 4 hours from the following courses:*

CSC	134	C++ Programming	2	3	0	3
CSC	151	JAVA Programming	2	3	0	3
MAT	175A	Precalculus Lab	0	2	0	1
MAT	280	Linear Algebra	3	0	0	3
MAT	285	Differential Equations	3	0	0	3

### Other Required Hours-Social Behavioral Sciences

*Students must select a course from the following:*

POL	120	American Government	3	0	0	3
PSY	150	General Psychology	3	0	0	3
SOC	210	Introduction to Sociology	3	0	0	3

**Other Required Hours-Humanities/Fine Arts**

*Students must select a course from the following:*

PHI	215	Philosophical Issues	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
REL	110	World Religions	3	0	0	3

**\*\*\* COMMENTS \*\*\***

Notes:

At least one (1) humanities course must be a literature selected from ENG 231, ENG 232, ENG 241, ENG 242, ENG 261, or ENG 262.

At least one (1) humanities course must be a communications course selected from COM 110, COM 120, or COM 231.

Other Required Hours choices may also be selected from the general education core courses listed in this program of study.

ACA courses are limited to one.

All College transfer students MUST take ACA 122 in the first semester.

Total Credit Hours: 65

Forsyth Technical Community College  
AS Pre-Major Mathematics A1040E  
2011\*03 (fall 2011)