

A1040D  
Associate in Science  
Pre-Major Engineering

General Education

<b>Required Courses</b>			Class	Lab	Clinic/Exp	Credits
<i>Students must take all of the following courses:</i>						
ENG	111	Expository Writing	3	0	0	3
CHM	151	General Chemistry I	3	3	0	4
PHY	251	General Physics I	3	3	0	4
PHY	252	General Physics II	3	3	0	4
MAT	271	Calculus I	3	2	0	4
MAT	272	Calculus II	3	2	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	243	Major British Writers	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
HUM	121	The Nature of America	3	0	0	3
HUM	130	Myth in Human Culture	3	0	0	3
HUM	150	American Womens Studies	3	0	0	3
HUM	160	Introduction to Film	2	2	0	3
HUM	220	Human Values and Meaning	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
SPA	111	Elementary Spanish I	3	0	0	3
SPA	112	Elementary Spanish II	3	0	0	3
SPA	211	Intermediate Spanish I	3	0	0	3
SPA	212	Intermediate Spanish 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-Economics**

*Students must select a course from the following:*

ECO	251	Prin of Microeconomics	3	0	0	3
ECO	252	Prin of Macroeconomics	3	0	0	3

## Social/Behavioral Science Elective

*Students must select a course from the following:*

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
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
MAT	175	Precalculus	4	0	0	4
MAT	175A	Precalculus Lab	0	2	0	1
ACA	122	College Transfer Success	1	0	0	1

### Other Required Hours

*Students must select 10 hours the following courses:*

BIO	111	General Biology I	3	3	0	4
BIO	175	General Microbiology	2	2	0	3
CHM	152	General Chemistry II	3	3	0	4
CHM	251	Organic Chemistry I	3	3	0	4
CIS	115	Intro to Prog & Logic	2	3	0	3
CSC	134	C++ Programming	2	3	0	3

CSC	151	JAVA Programming	2	3	0	3
MAT	280	Linear Algebra	3	0	0	3
MAT	285	Differential Equations	3	0	0	3

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

Notes:

Other Required Hours choices may 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: 64

Forsyth Technical Community College

AS Pre-Major Engineering A1040D

2011\*03 (fall 2011)