

**A minimum of 125 credits is needed for graduation (or 127 if MA 011 is taken).  
This major requires a minimum of 77 credits. Some major courses may also fulfill Core Requirements.**

Requirements for B.A. Degree in Engineering  
**Engineering 3 + 2 Major**  
Academic Year 2009 – 2010

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

MAJOR COURSES	Credits	Grade	Term
---------------	---------	-------	------

PHYSICS & ENGINEERING DEPARTMENT

PHY	200	College Physics I	4.00	_____	_____
PHY	201	College Physics II	4.00	_____	_____
PHY	202	College Physics III	4.00	_____	_____
PHY	221	Modern Physics	3.00	_____	_____
EGR	100	Introduction to Engineering I	2.00	_____	_____
EGR	110	Introduction to Engineering II	2.00	_____	_____
EGR	210	Circuit Analysis	4.00	_____	_____
EGR	262	Statics	3.00	_____	_____

Take 3 of the following: EGR 220, 263, 264, 321; PHY 302, 353;

_____	_____	_____	3/4	_____	_____
_____	_____	_____	3/4	_____	_____
_____	_____	_____	3/4	_____	_____

OTHER REQUIRED COURSES

MA	121	Calculus I	4.00	_____	_____
MA	122	Calculus II	4.00	_____	_____
MA	201	Linear Algebra	3.00	_____	_____
MA	222	Calculus III	4.00	_____	_____
MA	321	Differential Equations	4.00	_____	_____

CH	105	Fundamentals of Chemistry: Intro to Molecular Science	4.00	_____	_____
----	-----	---	------	-------	-------

CS	121	Computer Science I	4.00	_____	_____
----	-----	--------------------	------	-------	-------

EC	101	Principles of Macroeconomics	4.00	_____	_____
----	-----	------------------------------	------	-------	-------

Take EN 100 or EN 150

EN	_____	_____	4.00	_____	_____
----	-------	-------	------	-------	-------

EN	282	Technical Writing	4.00	_____	_____
----	-----	-------------------	------	-------	-------

**Required for PSU Application**

PE	_____	_____	1.00	_____	_____
PE	_____	_____	1.00	_____	_____
PE	_____	_____	1.00	_____	_____

\* 3/2 Engineering majors may substitute Physics 200 for one of their Natural and Physical Science Core courses. Students who successfully complete the Elizabethtown College 3/2 Engineering requirements will have their Social Science core waived. In addition, they may waive one additional core requirement excluding First-Year Seminar or any other core course required by the major.

\*\* 3/2 Engineering majors may also enroll in 19 credits for no more than three semesters at Elizabethtown without paying a credit overload fee.