

To receive a bachelor's degree from Elizabethtown College, the student must earn a minimum of 125 credits. Some programs may require more than this minimum to complete all program requirements. (*See the program requirements for specific information.*) No more than one bachelor's degree is ever awarded to an individual by Elizabethtown College; however, students may complete a second major, a minor, or teacher certification subsequent to graduation. Some major courses may also fulfill Core requirements.

Requirements for B.S. Degree  
**Major in Computer Engineering**  
 Academic Year 2015 – 2016

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

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

MAJOR COURSES			Credits	Grade	Term
PHY	200	College Physics I	4.00	_____	_____
PHY	201	College Physics II	4.00	_____	_____
PHY	202	College Physics III	4.00	_____	_____
CS	121	Computer Science I	4.00	_____	_____
CS	122	Computer Science II	4.00	_____	_____
EGR	100	Introduction to Engineering I	2.00	_____	_____
EGR	110	Introduction to Engineering II	2.00	_____	_____
EGR	210	Circuit Analysis	4.00	_____	_____
EGR	220	Electronics	4.00	_____	_____
EGR	222	Systems Programming	4.00	_____	_____
EGR	230	Microcomputer Architecture	4.00	_____	_____
EGR	310	Signals and Systems	3.00	_____	_____
EGR	332	Comp Organization and Architecture	4.00	_____	_____
EGR	333	Digital Circuits & Computer Interfacing	4.00	_____	_____
EGR	400	Engineering Portfolio	0.00	_____	_____
EGR	410	Control Systems	4.00	_____	_____
EGR	422	Operating Systems	4.00	_____	_____
EGR	433	Advanced Computer Engineering	4.00	_____	_____
EGR	434	Green Robotics, Automation, and Machine Intelligence	4.00	_____	_____
EGR	491	Senior Project in Engineering I	2.00	_____	_____
EGR	492	Senior Project in Engineering II	2.00	_____	_____
CH	105	Fundamentals of Chemistry: Intro to Molecular Science	4.00	_____	_____
PH	275	Science and Values	4.00	_____	_____
MA	121	Calculus I	4.00	_____	_____
MA	122	Calculus II	4.00	_____	_____
MA	222	Calculus III	4.00	_____	_____
MA	321	Differential Equations	4.00	_____	_____

Computer Engineering majors have two approved CORE exceptions:

- Physics 200 will count for one of their Natural and Physical Science Core courses
- PH 275 will count for Humanities core.

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

Students must earn a C- or better in ALL prerequisite PHY and EGR courses to continue in the major.