School of Engineering and Computer Science

Office of Undergraduate Advising: 255 Engineering Center

B.S.
Engineering Physics
2016-17 Catalog

Student Last Name | Student First Name

Student #: | Date: | Catalog: Select | Entered OU: Select

GENERAL EDUCATION REQUIREMENT - requires one course of 4 credits in each area for a minimum of 28 credits. See catalog for a list of GE courses.

	OU Course	Cr.	Grade	Transfer	Sem.	Rpt.
Arts (4)						
Foreign Language and Culture (4)						
Literature (4)						
Western Civilization (4)	PHL 104					
Social Science (4)						
Global Perspectives (4)						
Writing Foundations: Comp II (4)	WRT 160					
General Education Total Credits:						

GENERAL EDUCATION THAT MAY BE DOUBLE COUNTED - (Courses that may be used to satisfy other degree requirements).

	OU Course	Grade	Transfer	Sem.	Rpt.
U.S. Diversity					
Writing Intensive in General Education					

MATH/SCIENCE REQUIREMENT - requires completion of the following courses for a total of 48 credits.

	Cr.	Grd.	Tran.	Sem.	Rpt.
MTH 154: Calculus I (4)*					
MTH 155: Calculus II (4)*					
MTH 254: Multivariable Calculus (4)					
APM 255: Intro to DiffEQ/Matrix Alg. (4)*					
CHM 143: Chemical Principles* (4)					
PHY 151: Introductory Physics I (4)*					
PHY 110: Introductory Physics Lab I (1)*					
PHY 152: Introductory Physics II (4)*					
PHY 111: Introductory Physics Lab II (1)*					
PHY 317: Modern Physics Laboratory (2)					
PHY 351: Intermediate Theoretical Physics (4)					
PHY 361: Mechanics I (4)					
PHY 371: Foundations of Modern Physics (4)					
PHY 331: Optics (4) **or** PHY 366: Vibe & Waves (4) **or** PHY 381: Electricity and Mag (4) **or** PHY 472: Quant. Mech I (4)					
Math/Science Total Credits:					

ENGINEERING CORE - requires completion of the following courses for a total of 32 credits.

	Cr.	Grd.	Tran.	Sem.	Rpt.
EGR 120: Engineering Graphics and Design (1)*					
EGR 141: Computer Prob. Solving in Engineer and CS (4)*					
EGR 240: Intro to Electrical and Computer Eng. (4)*					
EGR 250: Introduction to Thermal Engineering (4)*					
EGR 260: Intro. to Industrial and Sys. Engineering (4)*					
EGR 280: Design & Analysis of Electromechanical Sys (4)*					
ECE 276: Electric Circuits (4)					
ECE 327: Electric Circuits and Devices I (4)					
PHY 490: Independent Research (4)					
Engineering Core Total Credits:					

PROFESSIONAL DEPTH AREA REQUIREMENT - requires courses in one depth area for a minimum of 12 credits. See catalog for course listings. Select Option

	Cr.	Grd.	Transfer	Sem.	Rpt.
Professional Depth Area Total Credits:					

TECHNICAL ELECTIVES - requires 6 to 8 credits. Eligible courses meeting technical electives for Engineering Physics listed in OU catalog.

OU Course	Cr.	Grd.	Transfer	Sem.	Rpt.
Technical Electives Total Credits:					

Important Notes:

Students must be approved for **major standing** before taking any 300- or 400-level ME or ECE course.
Students are eligible for major standing after **successful completion or registration** of all courses denoted with an asterisk*.
Successful completion = minimum 2.0 GPA in Math/Science Requirement and minimum 2.0 GPA in Engineering Core Requirement + no more than two (2) classes in each area may be below 2.0.
Minimum 2.0 GPA in Professional Subjects Requirement + no more than two (2) classes may be below 2.0 for **graduation**.
Students may only repeat three (3) different courses in the *Math/Science + Engineering Core areas, and two (2) PHY, ECE, or ME prefixed courses.

Adviser Notes:

FREE ELECTIVES - Courses taken in addition to degree requirements

OU Course	Credits	Grd.	Transfer	Semester

This worksheet is for advising purposes only and is not meant to be an official audit of record. Students are responsible for verifying major requirements and for reading the undergraduate catalog for all requirements necessary for degree completion at Oakland University.

Reset Form

Updated 4/14/15