

Engineering Physics Major Core Requirements (36 hours)

___ MAT 230 Calculus I	4
___ MAT 231 Calculus II	4
___ PHY 201 University Physics I	4
___ PHY 202 University Physics II	4
___ PHY 212 Modern Physics	4
___ PHY 220 Astrophysics and Cosmology	3
___ PHY 440 Intro. to Nanotech. and Nanosystems	3
___ PHY 460 or 498 Physics Internship/Research	2
___ PHY 490 Senior Seminar	2

Engineering Physics Major Requirements (6 hours)  
(CHOOSE 2)

___ CHE 225 Physical Chemistry	4
___ PHY 330 Electricity and Magnetism	3
___ PHY 350 Biophysics	3

Engineering Physics Electives (EGR 200 and above,  
CST 200 and above, MAT 305 and above,  
CHE 300 or 425) (24 hours)

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Elective Credits (Including Minor) (35 hours)

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Total Earned Hours 128

(determined by placement)

One of the following courses:

- \_\_\_ GL 301 Global Perspectives
- \_\_\_ HUM 210 Meaning Through Culture

Health and Well-Being (6 credits)

- \_\_\_ HWB 110 Holistic Health: Mind, Body, and Spirituality

One of the following courses:

- \_\_\_ PSY 101 General Psychology
- \_\_\_ PSY 220 Human Growth and Development
- \_\_\_ SOC 101 Introduction to Sociology

Broad Integrative Knowledge Outside Major\*\*

- a. Completion of a minor
- b. Completion of a second major
- c. Completion of a Pathway

\*Please refer to catalog or MUHUBs ( 111 Tf 0 Tc 0 Tw ) for a description of acceptable major/minor options.

2024-25 B.S.Engineering Physics Major  
Sample Four-Year Plan

Year One					
Fall Semester			Spring Semester		
Requirement Category	Course	CreditHrs	Requirement Category	Course	CreditHrs
Major: Calculus I	MAT 230	4	Major: Calculus II	MAT 231	4
Elective: Intro to Engineering	EGR 101	3	Major: University Physics I	PHY 201	4
Elective: Programming for Engineers	EGR 151	3	Elective: Computer Aided Design	EGR 16	3
TJP: First Year Seminar	FYS 110	3	TJP: Holistic Health	HWB 110	3
TJP: Public Speaking	COM 101	3			