

Wheaton College 4-year General Engineering Plan

THIS PROGRAM PLAN IS FOR GUIDANCE ONLY. GRADUATION REQUIREMENTS ARE FOUND IN CATALOGS.

54 CATC (3x 2 tags), 30 math & science, 45 ENGR

Engineering Major
Supporting Science & Math
CATC

Mechanical Engineering Concentration

Fall Semester

Sem	Code	Name	Hrs.
1	MATH 235	Calculus I (AAQR)	4
	PHYS 231	Introductory Physics I (SP)	4
	ENGR 101	Introduction to Engineering	1
	CORE 101	First Year Seminar	4
	COMM 101	Oral Communication (0-2)	2
<i>Total</i>			15

3	MATH 333	Differential Equations	4
	PHYS 334	Computer Modeling of Physical Systems	2
	ENGR 201	Engr. Mechanics I - Statics	4
	ENGR 204	Innovative Design in Engr.	4
	LANG	Language Core Competency I	4
<i>Total</i>			18

5	CHEM 231	General Chemistry I	4
	ENGR 223	Strength of Materials	4
	ENGR 346	Fluid Mechanics	4
	LANG	Language Core Competency III	4
<i>Total</i>			16

7	ENGR 451	Senior Design I	4
	ENGR 348	Thermodynamics & Heat Transfer	4
	ENGR XXX	Engineering Elective	2
	BITH 315	Christian Thought	4
	SELECT	Visual & Performing Arts (2 of 2)	2
<i>Total</i>			16

Spring Semester

Sem	Code	Name	Hrs.
2	MATH 236	Calculus II	4
	PHYS 232	Introductory Physics II	4
	ENGR 131	Engineering Graphics & CAD	4
	ENGW 103	Writing (0-4)	4
<i>Total</i>			16

4	MATH 237	Calculus III	4
	ENGR 202	Engr. Mechanics II - Dynamics	4
	LANG	Language Core Competency II	4
	BITH 211	Old Testament Literature	4
<i>Total</i>			16

6	ENGR 225	Materials Science	4
	ENGR 302	Engineering Systems Analysis	2
	BITH 213	New Testament Literature	4
	SELECT	Visual & Performing Arts (1 of 2)	2
	SELECT	Thematic Core (1 of 3) (2 tags)	4
<i>Total</i>			16

8	ENGR 452	Senior Design II	2
	ENGR 494	Engineering Ethics Capstone	2
	CORE 3xx	Advanced Int. Seminar (1 tag)	4
	SELECT	Thematic Core (2 of 3) (2 tags)	4
	SELECT	Thematic Core (3 of 3) (2 tags)	4
<i>Total</i>			16

Total Credit Hours 129
Avg. per semester 16.13

revised: 7/28/2023

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Updated July 2023

