

ENGINEERING MAJOR (B.A.)

Note: Sequence of courses may be altered with advisor's approval.

For students starting Fall 2019 to present

<u>FALL</u>			<u>SPRING</u>		
<u>Course No.</u>	<u>Description</u>	<u>Credits.</u>	<u>Course No.</u>	<u>Description</u>	<u>Credits.</u>
<u>Freshman</u>					
CORE 103	Fall CES	0	CORE 104	Spring CES	0
MATH 121	Calculus I	3	MATH 122	Calculus II	3
CHEM 121	Chemistry I/Lab	4	CHEM 122	Chemistry II/Lab	4
WRIT 102*	Research Writing	3	PHYS 121	Physics I/Lab	4
CPSC 121	Intro to Programming	4	RLST 105	Francis. Goals Today	3
ENGR 101	Intro to Engr.	1	CORE 113	First Year Seminar	3
ENGR192	Seminar	0	ENGR193	Seminar	0
Total Credits		15	Total Credits		17
<u>Sophomore</u>					
MATH 221	Calculus III	3	MATH 222	Calculus IV	3
PHYS 122	Physics II/Lab	4	LIT 104,201,202,204,207 or 270	Literature	3
PHIL 205	Disc. Phil	3	LANG 102 +	Foreign Lang. Elec.	3
HIST 100 – 200 level	History Elective	3	ENGR 202	Engr. Dynamics	3
ENGR 201	Engr. Statics	3	EPPS*1	Soc. Sci Elec.	3
ENGR292	Seminar	0	ENGR 102	Intro to Engr.	1
			ENGR293	Seminar	0
Total Credits		16	Total Credits		16
<u>Junior</u>					
EXAM 301	Wr. Comp Exam	0	EXAM 401	Senior Comp	0
PHIL/RLST 300+	Phil/RLST elec	3	FNAR, ART, MUS, THTR	Fine Arts. Elec.	3
EPPS*1	Soc. Sci Elec.	3	FREE Elective	Free Elec.	3
EPPS*2	Soc. Sci Elec.	3	DIVERSITY REQ	(See Gen Ed list)	3
CORE 407	Keystone Seminar	3	FREE Elective	Free Elec.	4
FREE Elective	Free Elective	3	MATH 306	Diff. Eq I	3
ENGR392	Seminar	1	ENGR393	Seminar	0
Total Credits		16	Total Credits		16

Additional Information:

EPPS*1 – Econ101, PLSC 100-200, PSCY101, SOC 100-200 Must be from two different disciplines

EPPS*2 – ECON, PLSC, PLSC, SOC – One additional social science

33 credits major (24 at second institution), 35 credits collateral; 42 additional core credits; 18 credits free elective (up to 8 at second institution); 128 total credits

Students must complete one year in engineering at an ABET-accredited engineering school, including at least 24 credits in courses appropriate for an engineering program with a minimum Q.P.A. of 2.0 and a total of 128 credits between the two schools.

Depending upon the branch of engineering chosen for study, one or more additional classes may be required for admission to an engineering school.

Pre-engineering students must maintain a 3.0 overall quality point average and obtain a faculty recommendation for transfer to Pennsylvania State University; some branches of engineering may require an even higher QPA – consult with Dr. Harris for details.

Students transferring to the University of Pittsburgh must have an overall 2.5 quality point average in those classes they intend to transfer. Some programs may have higher QPAs. Please check.

At all schools, students may transfer no classes in which their grades were below “C”. Transfer requirements for other engineering schools vary and will be addressed on an individual basis.