

Engineering Technology

Concentration: Civil Engineering Technology

Catalog Term: Fall 2019



Total credit hours: 120

FRESHMAN (at WSU/community/technical college)			
FALL	Hrs	SPRING	Hrs
WSUE 102A: First Year Seminar in Technology and Innovation <i>General Education (S&BS)</i>	3	General Education* FA Note a	3
COMM 111 * Public Speaking	3	General Education (H) <i>Recommended: PHIL 125</i> Note a	3
MATH 242 Calculus I P: MATH 111 and 123 with "C"	5	MATH 243 Calculus II P: MATH 242 with "C"	5
ENGL 101 * College English I P: See Course Catalog	3	ENGL 102 * College English II P: ENGL 101 with "C"	3
Total Hours	14	Total Hours	14

SOPHOMORE (at WSU/community/technical college)			
FALL	Hrs	SPRING	Hrs
General Education (S&BS) <i>Recom: ECON 201 (Macro) or PSY 111 or SOC 111</i>	3	General Education* Further Study H/S&BS Note a	3
PHYS 213 General College Physics I P: MATH 123 with "C"	5	CHEM 211 General Chem I P: PHYS 213 or 313	5
		ENGT 201 Fundamentals of Eng Tech P: WSUE 102A or equiv	1
Technical Elective; <i>Recommended: Survey I</i> P: MATH 123	3	Technical Elective; <i>Recommended: BIOL 370 Intro to Environ Sci</i>	3
Technical Elective	3	Technical Elective Rec: Survey II P: Survey I	3
Total Hours	14	Total Hours	15

JUNIOR (at WSU)			
FALL	Hrs	SPRING	Hrs
IME 222 + Lab Engineering Graphics P: MATH 123 with "C"	3	CS211* Intro to Programming # P: MATH111 or or MIS 310 P: MATH 111 + Snr std	4
IME 255 * Engineering Economy Coreq: MATH 242	3	ENGT 312 Applied Statics C:MATH 243; P:PHYS 213 with "C-" (Spring only)	3
ENGT 370 * Environmental Eng Tech P: ENGT 201 & CHEM 211 with "C-", or dept. appr (Fall only)	3	ENGT 354 * Statistical Process Control P: MATH 243 (Spring only)	3
IME 258 Manufacturing Methods I P: MATH 123 with "C"	3	ENGT 320 Circuits Technology P: MATH 242 with "C-" (Spring only)	4
ME 250 Materials Engineering P: Chem 211 & MATH 242 with "C"	3	Technical Elective	3
ME 251 Materials Engineering Lab Co-req: ME 250	1	Engineer of 2020 Requirement (1 of 3) See notes	
Total Hours	16	Total Hours	17

SENIOR (at WSU)			
FALL	Hrs	SPRING	Hrs
ENGT 401 * Senior Design Project I P: ENGT 201 or 301; Dept approval	3	ENGT 402* Senior Design Project II P: ENGT 401	3
ENGT 323 Introduction to Fluids P: ENGT 312 & MATH 243 with "C-" (Fall Only)	3	ENGT 510 Solar and Wind Engineering P: ENGT 320 or EE 282 with "C-" (Spring only)	3
ENGT 334 Intro to Strength & Mech of Materials P: ENGT 312 & MATH 243 with "C-" (Fall Only)	3	ENGT 600 Water and Wastewater Treatment P: ENGT 323 & ENGT 370 with "C-", or dept. consent (Spring only)	3
PHIL 385 Engineering Ethics P: Junior or senior standing	3	ENGT 610 Hydraulics and Hydrology P: ENGT 323 with "C-", or dept. consent (Spring only)	3
ENGT 492 Energy Mgt and Sustainability P: ENGT 370 & IME 255 with "C-" (Fall only)	3	ENGT 620 Structural Analysis and Design P: ENGT 334 with "C-" or dept. consent (Spring only)	3
Engineer of 2020 Requirement (2 of 3) See notes		Engineer of 2020 Requirement (3 of 3) See notes	
Total Hours	15	Total Hours	15

Last Updated: 01/2019

Notes: Students admitted after fall 2007 must fulfill the Engineer 2020 requirements.

* May be available as an online or hybrid class (upto 48 credit hours).

a. Humanities/Fine Arts/Social & Behavioral Science Courses must be from an approved list which appears in the Schedule of Courses and/or the community college Transfer Guides.

* Recommended option

students who take MIS 310, will need to take 1 additional credit hour of Technical Electives