

Engineering Technology

Concentration: Cybersecurity

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 (H) <i>Recommended: PHIL 125</i> Note a	3
COMM 111 * Public Speaking	3	MATH 243 Calculus II P: MATH 242 with "C"	5
MATH 242 Calculus I P: MATH 111 and 123 with "C"	5	ENGL 102 * College English II P: ENGL 101 with "C"	3
ENGL 101 * College English I P: See Course Catalog	3	Technical Elective <i>Recommended: BDAM 161/2/3 P: Math 111</i>	3
Total Hours	14	Total Hours	14

SOPHOMORE (at WSU/community/technical college)			
FALL	Hrs	SPRING	Hrs
General Education (S&BS) <i>Recommended: ECON 201 or PSY 111</i> Note a	3	General Education* FA Note a	3
PHYS 213 General College Physics I P: MATH 123 with "C"	5	ENGT 201 Fundamentals of Eng Tech P: WSUE 102A or equiv	1
General Education* Further Study Recom: PSY323, PSY324 <i>or PSY 412 P: PSY 111</i>	3	ENGT 354 * Statistical Process Control P: MATH 243 (Spring only)	3
ACCT 210 * Financial Accounting P: MATH 111 & BADM 161/2/3	3	ACCT 220 * Managerial Accounting P: ACCT 210	3
ECON 232 * Statistical Software Applications P: MATH 111 & BADM 161/2/3	1	Technical Elective <i>Recommended: ENGT 222 or MIS 325</i>	3
Total Hours	15	Total Hours	13

JUNIOR (at WSU)			
FALL	Hrs	SPRING	Hrs
IME 222 + Lab Engineering Graphics P: MATH 123 with "C"	3	IME 258 Manufacturing Methods I P: MATH 123 with "C"	3
IME 255 * Engineering Economy Coreq: MATH 242	3	BLAW 431 * Legal Environment of Business P: Junior or Advanced standing	3
PHYS 214 General College Physics II P: PHYS 213 or 313 OR CHEM 211 General Chemistry I Co-req: MATH 111	5	ENGT 501 Cyber Operations P: MIS 310 with "C-" or better	4
MIS 611 Topics in Comp Netw P: Junior and advanced standing or ENGT 321 P: ENGT 222	3	MIS 600 DB Mgmt Systems P: BADM160 with "C+", Jnr and adv or ENGT 324 P: ENGT 222	3
MIS 611 Topics in Comp Netw P: Junior and advanced standing or ENGT 321 P: ENGT 222	3	PHIL 354 Ethics and Computers P: Junior standing or dept. consent (Offered in Spring only)	3
MIS310* Fund. of Bus App. Dev # P: MATH111 /Jnr & adv. Standing or ENGT 322 P: ENGT 222	3	Engineer of 2020 Requirement (1 of 3) See notes	
Total Hours	17	Total Hours	16

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 601 Digital Forensics P: ENGT 501 with "C-"	3	ENGT 312 Applied Statics C: MATH 243; P: PHYS 213 with "C-" (Spring only)	3
ENGT 602 Cyber Physical Systems P: ENGT 501 with "C-"	4	ENGT 611 Cyber Risk Management P: ENGT 601 with "C-"	3
MIS 605 Systems Analysis and Design P: MIS 600 with "C+", jnr and adv. standing	3	ENGT 612 Secure Web Development P: ENGT 601 with "C-"	3
Technical Elective	3	MIS 696 Management of IS Function P: MIS605, jnr and adv. standing (Spring only)	3
Engineer of 2020 Requirement (2 of 3) See notes		Engineer of 2020 Requirement (3 of 3) See notes	
Total Hours	16	Total Hours	15

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 can choose to take CS211, and will take 1 less credit hour of Technical Electives

Last Updated: 01/2019