

CYBERSECURITY



Catalog Term: Fall 2024

Last updated: 7/2024

15 FRESHMAN	
FALL	SPRING
ENGL 101 (3) College English I Grade C- or better	ENGL 102 (3) College English II Prereq: ENGL 101 Grade C- or better
MATH 123 (3) College Trigonometry Prereq: See Course Catalog	ENGR 220 (3) Applied Analog & Digital Electronics <i>Spring only</i> Prereq: MATH 111 Grade C or better
FYET 102A (3) Intro to Tech and Innovation	AC 222 (3) Applied Computing & Networks 1 Prereq: MATH111 Grade C- or better
AC 121(3) Cybersecurity Awareness cncprereq: PHIL125 Grade C- or better	ECON 201(3) Principles of Macroeconomics
PHIL 125 (3) Introductory Logic	COMM 111 (3) Public Speaking Grade C- or better

15 SOPHOMORE	
FALL	SPRING
AC 363 (3) Human Threats to Cybersecurity Prereq: AC 121 Grade C- or better	AC 322 (3) Applied Prog. & Scripting <i>Offered Spring Only</i> Prereq: AC 222 Grade C or better
AC 201 (1) Intro Design Project <i>Offered Fall Only</i> Prereq: FYET 102A or ID 300 Grade C- or better	AC 324 (3) Applied Web Appss & DB Dev <i>Offered Spring Only</i> Prereq: AC 222 & Econ 201 Grade C- or better
AC 321 (3) Applied Computing and Networks 2 <i>Offered Fall Only</i> Prereq: AC 222 Grade C- or better	PSY 323 (3) Social Psychology Prereq: PSY111 Grade C or better
PHYS 213 (5) General Physics 1 Prereq: MATH123 Grade C or better	PSY 111(3) General Psychology Grade C or better
Technical Elective (3)	Technical Elecitve (3)
	Engineer + Requirement (1 of 3)

14 JUNIOR	
FALL	SPRING
AC 352 (3) Competitive Ethical Hacking Prereq: AC121 & AC322 Grade C- or better	PHIL 354 (3) Ethics and Computers Prereq: Junior standing or Departmental Permission
AC 301 (2) Junior Project Prereq: AC 201 Grade C- or better	AC 326(4) Cyber Operations OFFERED SPRING ONLY Prereq: AC121, AC222 and AC322 Grade C- or better
PSY 405 (3) Human Factors Psy Prereq: PSY 111 Grades C- or better	General Education Fine Arts 300 or above (3)
MATH 231 (3) Discrete Math Prereq: MATH 123 Grade C or better	STAT 370 (3) Elementary Statitics Prereq: MATH 111 or equivalent Grade C or better
Technical Elective (3)	Technical Elective (3)
Engineer + Requirement (2 of 3)	Engineer + Requirement (3 of 3)

15 SENIOR	
FALL	SPRING
AC 401 (3) Senior Project I OFFERED FALL ONLY Prereq: AC 301, PHIL354, PHYS214 C- or better	AC 402 (3) Senior Project II OFFERED SPRING ONLY Prereq: AC 401 Grade C- or better
AC 461 (3) Digital Forensics Prereq: AC 326 Grade C- or better in each	AC 462 (4) Cyber Physical Systems Prereq: AC 326, ENGR 220 Grades C- or better
AC 463 (3) Cyber Risk Managment Prereq: AC 326 Grade C- or better	AC 464 (3) Web Application Security Prereq: AC 324, AC326 Grades C- or better
BADM 162 (1) Business Software: Excel Prereq: Math 111 D- or better	Technical Elecitve (3)
Technical Elective (3)	Technical Elective (3)
Technical Elective (2)	

NOTES: 9 of the 23 credit hours must be from the College of Engineering. Up to 2 credit hours of co-op can be used as nondepartmental technical electives. All prerequisites for SoC courses must be passed with a C- or better.

Legend: General Education: FA = Fine Arts. SB = Social and Behavioral Sciences. HU = Humanities. MS = Mathematics and Natural Sciences.

Prereq = Prerequisite. Coreq = Corequisite.