

**Fall (S1)**

IT 1050	Fundamentals of IT	3
IT 1080C	Computer Networking	3
IT 1090C	Computer Programming I	3
ENGL 1001	English Composition	3
MATH 1026	Pre-Calculus	5
PD 1010	Intro to COOP for CECH	<u>1</u>
		18

**Spring (S2)**

IT 2060C	Track Course 1	3
IT 1081C	Database Management I	3
IT 1081C	System Administration	3
IT 2040C	Fund. of Web Development	3
	Intro to Interpersonal	
COMM 1076	Communication	3
IT2030C <sup>+</sup>	Info. Sec. and Assurance <sup>+</sup>	<u>3</u>
		18 /15

**Fall/Spring (S3)**

	Track Course 2	3
IT 3060C	Database Management II	3
IT 2020	Implications of IT	3
IT 1051C	Fund. of Digital Media	3
HPE 2071	Applied Statistics	<u>3</u>
		15

**Summer/Fall (S4)**

	Track Course 3	3
IT 2030C <sup>+</sup>	Info. Sec. and Assurance	3
	Advisor Approved Elective <sup>++</sup>	3
ENGL 2089	Interm. Compos.	3
MATH 1071	Discrete Math	<u>3</u>
		15 /12

**Spring/Summer (S5)**

	Track Course 4	3
IT 2021	Human Comp. Interaction	3
	Advisor Approved Elective <sup>++</sup>	3
IT3020	Systems Analysis & Design	3
	Science Elective*	<u>3</u>
		15

**Fall/Spring (S6)**

	Track Course 5	3
	Advisor Approved Elective	3
	Science Elective*	3
ENGL 4091	Writing for Business	
OR	OR	
	Technical and Scientific	
ENGL 4092	Writing	3
IT 4020	Management in IT	<u>3</u>
		15

**Fall (S7)**

IT 5001	Senior Design Proj Mgt I	3
	Track Course 6	3
	Track Course 7	3
	Advisor Approved Elective	3
	Gen Ed Elective <sup>**</sup>	<u>3</u>
		15

**Spring (S8)**

IT 5002	Senior Design Proj Mgt II	3
	Track Course 8	3
	Advisor Approved Elective	3
	Gen Ed Elective <sup>**</sup>	3
		<u>12</u>

Total Credits 120

**Networking/Systems Track**

- IT 2035C Network Infrastructure Management (1)
- IT 3036C Enterprise Systems Administration (2)
- IT 3037C Cloud Computing (3)
- IT 3071C Network Security (4)
- IT 3038C Scripting Languages (5)
- IT 4037C Special Topics in Networking/Systems (6)
- IT 5031C Senior Design Networking/Systems Technical Practicum I (7)
- IT 5032C Senior Design Networking/Systems Technical Practicum II (8)

**Software Application Development Track**

- IT 2045C Computer Programming II (1)
- IT 3047C Contemporary Programming (2)
- IT 3048C Mobile Device Programming (3)
- IT 3046C Client-Side Web Programming (4)
- IT 3047C Web Server App. Development (5)
- IT 4045C Enterprise Application Development (6)
- IT 5041C Senior Design Software Application Development Technical Practicum I (7)
- IT 5042C Senior Design Software Application Development Technical Practicum II (8)

**Cybersecurity Track**

- IT 2035C Network Infrastructure Management (1)
- IT 3071C Network Security (2)
- IT 3072C Computer and Network Forensics (3)
- IT 3075C Network Monitoring and Intrusion Prevention Systems (4)
- IT 4076C Penetration Testing (5)
- IT 4077C Special Topics in Cybersecurity (6)
- IT 5071C Senior Design Cybersecurity Technical Practicum I (7)
- IT 5072C Senior Design Cybersecurity Technical Practicum II (8)

**Information Technology Co-op schedule**

	Freshman		Sophomore			Pre-Junior			Junior			Senior		
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
Group A	S1	S2	C1	S3	C2	S4	C3	S5	C4	S6	C5		S7	S8
Group B	S1	S2		C1	S3	C2	S4	C3	S5	C4	S6	C5	S7	S8

\*Students must meet with their co-op adviser within the first three weeks of the semester that precedes their first planned co-op semester. With prior approval of the academic and coop advisors, students may take up to six credit hours of courses while on co-op. Students must complete and pass all coursework for S1 and S2 and have a minimum 2.0 GPA to be eligible to co-op.

\*\* Science Electives must be from BIOL, CHEM, PHYS or GEOL

\*\*\* General Education Electives must be from chosen from courses designated as Fine Arts, Historical Perspectives, Humanities and Literature, or Social Sciences. Each elective must represent a different area.

<sup>+</sup>Students in the Cybersecurity track must take IT2030 in the spring of their freshmen year (S2). All other students will take in their second year (S4)

<sup>++</sup> Cybersecurity track students should take CJ1001 Introduction to Criminal Justice and POL2035 Cybersecurity Strategy and Policy as their first two advisor approved electives

Students in the Bachelor of Science in Information Technology may use the prior learning assessment process (<http://www.uc.edu/testingervices/pla.html>) to receive advanced standing for a maximum of 4 semester IT courses for which they have prior experience. Please speak to the academic advisor or a faculty member before applying.