

Information Science 4-Year Plan

Information Science (Precalculus)			
Course	Credit	Course	Credit
First Year Fall		First Year Spring	
Precalculus (MATH 130 or 132)	3	CPSC 150	3
ENGL 123	3	CPSC 150L	1
Foreign Language	3	MATH 135 or 140	3/4
Area of Inquiry	3	CPSC 215	3
Area of Inquiry	3	ECON 201	3
		Area of Inquiry	3
Semester total:	15	Semester total:	16/17
Second Year Fall		Second Year Spring	
CPSC 250	3	CPSC 335	3
CPSC 250L	1	MATH 235	3
MATH 125	3	CPSC 216	3
ENGL 223	3	Area of Inquiry (Science) & Lab	4
ECON 202	3	CPSC 440	3
Area of Inquiry	3		
Semester total:	16	Semester total:	16
Third Year Fall		Third Year Spring	
CPSC 350	3	CPSC 351	3
ACCT 200	3	PSYC 202	3
CPEN 371W	2	Professional Elective	3
Professional Elective	3	Area of Inquiry (Science)	3
BUSN 303	3	Elective	3
Semester total:	14	Semester total:	15
Fourth Year Fall		Fourth Year Spring	
Professional Elective	3	CPSC 445W	3
Professional Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Semester total:	15	Semester total:	15

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Information Science (Calculus-ready)			
Course	Credit	Course	Credit
First Year Fall		First Year Spring	
MATH 125	3	CPSC 150	3
ENGL 123	3	CPSC 150L	1
Foreign Language	3	MATH 135 or 140	3/4
Area of Inquiry	3	CPSC 215	3
Area of Inquiry	3	ECON 201	3
		Area of Inquiry	3
Semester total:	15	Semester total:	16/17
Second Year Fall		Second Year Spring	
CPSC 250	3	CPSC 335	3
CPSC 250L	1	MATH 235	3
ACCT 200	3	CPSC 216	3
ENGL 223	3	Area of Inquiry (Science) & Lab	4
ECON 202	3	CPSC 440	3
Area of Inquiry	3		
Semester total:	16	Semester total:	16
Third Year Fall		Third Year Spring	
CPSC 350	3	CPSC 351	3
Area of Inquiry (Science)	3	PSYC 202	3
CPEN 371W	2	Professional Elective	3
Professional Elective	3	Elective	3
BUSN 303	3	Elective	3
Semester total:	14	Semester total:	15
Fourth Year Fall		Fourth Year Spring	
Professional Elective	3	CPSC 445W	3
Professional Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Semester total:	15	Semester total:	15

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Information Science (PLP)			
Course	Credit	Course	Credit
First Year Fall		First Year Spring	
MATH 125	3	CPSC 150	3
ENGL 123	3	CPSC 150L	1
Foreign Language	3	MATH 135 or 140	3/4
Area of Inquiry	3	CPSC 215	3
LDSP 210	3	AMST 100	3
		LDSP 240	3
Semester total:	15	Semester total:	16/17
Second Year Fall		Second Year Spring	
CPSC 250	3	CPSC 335	3
CPSC 250L	1	MATH 235	3
ECON 201	3	CPSC 216	3
ENGL 223	3	ECON 202	3
Area of Inquiry	3	LDSP 320	3
Area of Inquiry	3		
Semester total:	16	Semester total:	15
Third Year Fall		Third Year Spring	
CPSC 350	3	CPSC 351	3
Area of Inquiry (Science) & Lab	4	BUSN 303	3
CPEN 371W	2	Professional Elective	3
Professional Elective	3	Area of Inquiry (Science)	3
CPSC 440	3	ACCT 200	3
Semester total:	15	Semester total:	15
Fourth Year Fall		Fourth Year Spring	
Professional Elective	3	CPSC 445W	3
Professional Elective	3	LDSP 442	3
PSYC 202	3	Elective	3
LDSP Elective	3	Elective	3
Elective	3	Elective	3
Semester total:	15	Semester total:	15

Information Science 4-Year Plan

Information Science (Honors Program)			
Course	Credit	Course	Credit
First Year Fall		First Year Spring	
CPSC 150	3	CPSC 250	3
CPSC 150L	1	CPSC 250L	1
MATH 130 or 140	3/4	MATH 125	3
Foreign Language	3	CPSC 215	3
Honors 100 Seminar	3	ECON 201	3
Honors First Year Activities	0	Honors 300-350	3
		Honors First Year Activities	0
Semester total:	13/14	Semester total:	16/17
Second Year Fall		Second Year Spring	
CPSC 335	3	CPSC 440	3
MATH 235	3	ACCT 200	3
CPSC 216	3	Area of Inquiry (Science) & Lab	4
ECON 202	3	PSYC 202	3
Honors 300-350	3	Honors 300-350	3
Honors Second Year Activities	0	Honors Second Year Activities	0
Semester total:	15	Semester total:	16
Third Year Fall		Third Year Spring	
CPSC 250	3	CPSC 351	3
CPEN 371W	2	BUSN 303	3
Professional Elective	3	Professional Elective	3
Elective	3	Area of Inquiry (Democratic Engagement)	3
Elective	3	Elective	3
Honors 38x	0 - 3	Honors 38x	0 - 3
Honors Third Year Activities	0	Honors Third Year Activities	0
Semester total:	14 - 17	Semester total:	15 - 18
Fourth Year Fall		Fourth Year Spring	
Professional Elective	3	CPSC 445	3
Professional Elective	3	Honors 490W	3
Elective	3	Honors 484	1
Elective	3	Elective	3
Elective	3	Elective	3
Honors Fourth Year Activities	0	Honors Fourth Year Activities	0
Semester total:	15	Semester total:	13

Information Science 4-Year Plan

Required Courses		Additional Requirements	
Information Science			
CPSC 215	Software Packages for Business Applications	Professional Electives	
CPSC 216	Multimedia and Web Publishing	Minimum of 12 credit hours Complete at least one area of emphasis	
CPSC 335	Data Communication Systems	Area of Emphasis 1: Cybersecurity	
CPSC 350	Information Systems Analysis	CYBR 328	Foundations/Principles of Cybersecurity
CPSC 351	Information Systems Design & Implementation	CPSC 336	Network Implementation & Administration
CPSC 440	Database Management Systems	CYBR 428 or	Network Security and Cryptography
CPSC 445W	Information Science Capstone	CYBR 429	Computer & System Security
		Area of Emphasis 2: Software Engineering	
CPSC 150	Intro Programming (Python)	CPSC 255	Programming for Applications (Java)
CPSC 150L	Intro Programming Lab	CPSC 280	Intro Software Engineering (Java)
CPSC 250	Programming for Data Manipulation (Python)	CPSC 480	Software Design and Development
CPSC 250L	Programming for Data Manipulation Lab (Python)	Area of Emphasis 3: Data Analytics/Big Data	
		BUSN 305	Introduction to Data Analytics (requires: BUSN 231)
		CPSC 336	Network Implementation & Administration
		CPSC 441	Big Data Technologies
		Additional Professional Electives	
		CPSC 430	Simulation Modeling
		CPSC 475	Android Mobile Computing
		PSYC 303	Industrial and Organizational Psychology
		PSYC 313	Human Relations in Organizations
		FINC 300	Managerial Finance
		MGMT 450	Advanced Data Analytics
Engineering			
CPEN 371	Computer Ethics (Writing Intensive)		
Accounting, Business, and Economics			
ACCT 200	Accounting Concepts		
BUSN 303	Fundamentals of Business		
ECON 201	Principles of Macroeconomics		
ECON 202	Principles of Microeconomics		
PSYC 202	Social Context of Behavior & Cognition		
Liberal Learning Foundation			
ENGL 123	First-Year Writing Seminar		
ENGL 223	Second-Year Writing Seminar		