

Required Information Systems Courses

11 Units

		Units	Offered
_____	CIS 211 Fundamentals of Information Systems	3	Fall, Spring & Summer
_____	COSC 236 Intro to Computer Science I	4	Fall, Spring & Summer
_____	COSC 237 Intro to Computer Science II	4	Fall, Spring & Summer

Elective Information Systems Courses

9 Units

Select at least 3 of the following courses:

		Units	Offered
_____	CIS 328 Intro to Data Analytics	3	Fall
_____	CIS 334 Data Organization	3	Fall & Spring
_____	CIS 350 Telecommunications	3	Fall & Spring
_____	CIS 377 Introduction to Cybersecurity	3	Fall & Spring
_____	CIS 379 Systems Analysis and Design	3	Fall & Spring
_____	CIS 397 Internship in IS	3	Fall, Spring & Summer
_____	CIS 425 Decision Support Systems	3	Occasionally
_____	CIS 426 Gaming Interface Design	3	Fall
_____	CIS 428 Text Analytics	3	Spring
_____	CIS 433 Select Topics in IS	3	Occasionally
_____	CIS 435 Human-Computer Interaction	3	Fall & Spring
_____	CIS 440 System Development / E-Commerce	3	Fall
_____	CIS 445 Universal Usability	3	Spring
_____	CIS 458 Organization Database Management	3	Fall & Spring
_____	CIS 468 Data Mining and Visualization Analytics	3	Spring
_____	CIS 475 Information Systems Capstone	3	Fall & Spring
_____	CIS 479 Software Project Management	3	Fall & Spring
_____	CIS 495 Independent Study in IS	3	Occasionally
_____	ITEC 464 Web Development	3	Fall & Spring

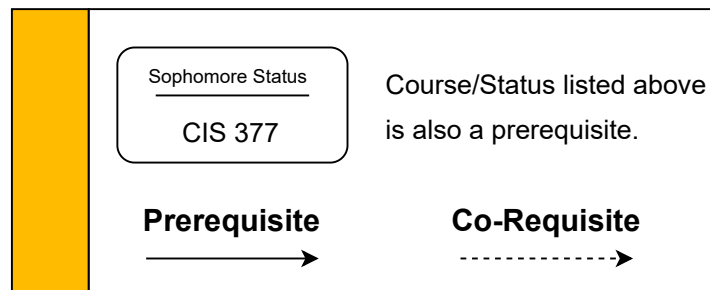
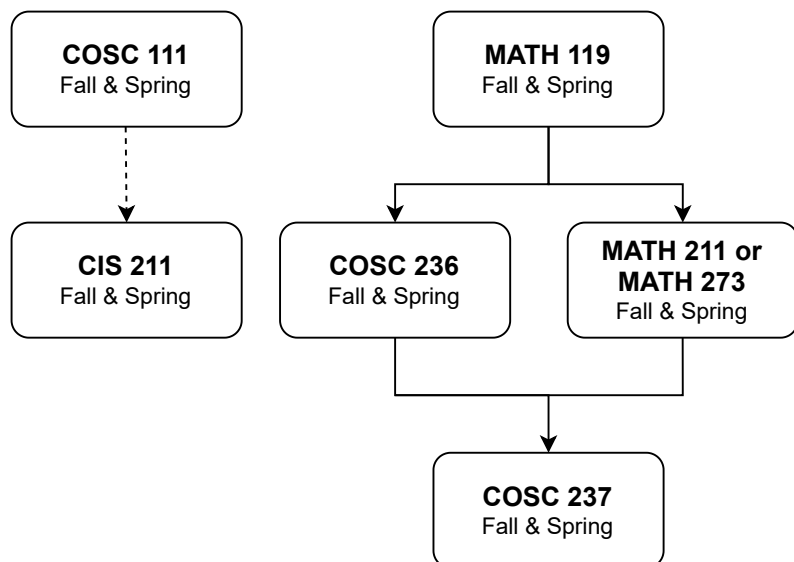
*One course from outside CIS may be used if it is first approved by the department.

**Some courses may have additional prerequisites.

Total Units: 20

Minor - Information Systems

Catalog Year 2022-2023 and Later



*Math prerequisite courses must be completed before enrolling in COSC 236 and COSC 237.

**COSC 237 requires MATH 211 or MATH 273.

Elective Prerequisites

CIS 328	CIS 211, MATH 231 (or MATH 330)	CIS 435	CIS 379 or ITEC 411
CIS 334	COSC 237	CIS 440	CIS 379 or ITEC 411
CIS 350	CIS 239 and CIS 334 (or COSC 336)	CIS 445	CIS 379 or ITEC 411
CIS 377	Sophomore Standing	CIS 458	CIS 334 (or COSC 336) and MATH 263
CIS 379	CIS 211, COSC 237, Co-Req MATH 263	CIS 468	CIS 328 and CIS 334 (or COSC 336)
CIS 397	CIS 334, 2.75 GPA, Instructor Consent	CIS 475	CIS 379 and CIS 458, Co-Req CIS 435
CIS 425	CIS 379 or ITEC 411 and MATH 231	CIS 479	CIS 379
CIS 426	CIS 379 or ITEC 411	CIS 495	Senior Standing and Instructor Consent
CIS 428	CIS 328, CIS 334 (or COSC 336)	ITEC 464	ITEC 231
CIS 433	9 units of IS, Instructor Consent		

Find more advising resources at:

<https://www.towson.edu/fcsm/departments/computerinfosci/resources/advising.html>

Visit the CIS Advising Hub in YR 207

Or Email: cisadvising@towson.edu