

Required Computer Science Courses

12 Units

		Units	Offered
_____	COSC 236 Intro to Computer Science I	4	Fall, Spring & Summer
_____	COSC 237 Intro to Computer Science II	4	Fall, Spring & Summer
_____	COSC 336 Data Structures & Algorithm Analysis	4	Fall & Spring

Elective Computer Science Courses

9 Units

Select at least 3 of the following courses:

		Units	Offered
_____	COSC 350 Data Communications & Networking	3	Fall & Spring
_____	COSC 412 Software Engineering	3	Fall & Spring
_____	COSC 431 Selected Topics in Computer Science	3	Occasionally
_____	COSC 435 Mobile App Development	3	Fall & Spring
_____	COSC 436 Object-Oriented Design & Programming	3	Fall & Spring
_____	COSC 439 Operating Systems	3	Fall & Spring
_____	COSC 455 Prog Languages: Design & Implementation	3	Fall & Spring
_____	COSC 457 Database Management Systems	3	Fall & Spring
_____	COSC 459 Computer Simulation & Modeling	3	Spring
_____	COSC 461 Artificial Intelligence	3	Spring
_____	COSC 467 Foundations of Data Mining	3	Spring
_____	COSC 471 Computer Graphics	3	Occasionally
_____	COSC 483 Design & Analysis Algorithms	3	Fall
_____	COSC 484 Web-Based Programming	3	Fall & Spring
_____	COSC 495 Independent Study	3	By Permission

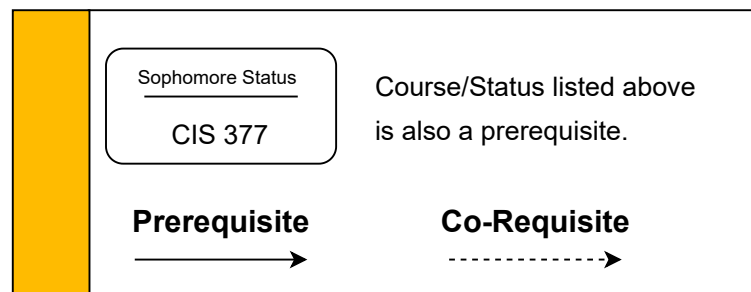
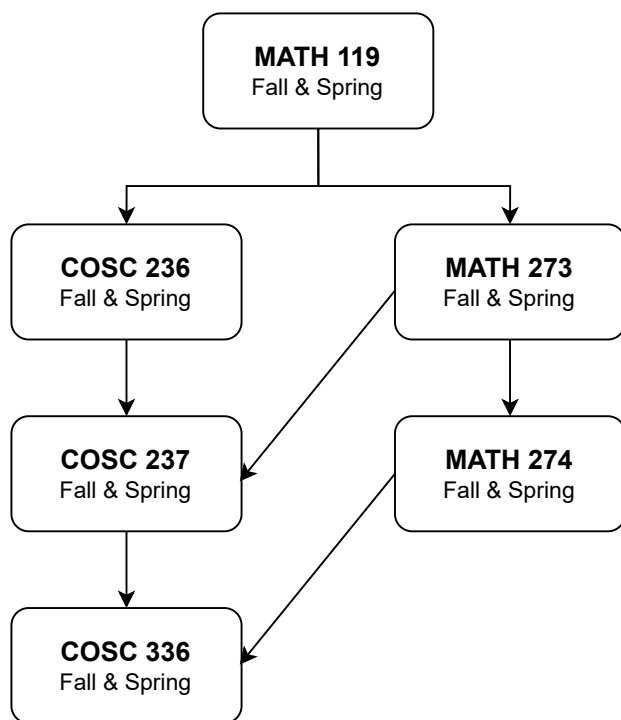
*The 9 units of elective courses must be upper division courses and may include one approved computer related course from outside the department.

**Some courses may have additional prerequisites.

Total Units: 21

Minor - Computer Science

Catalog Year 2019-2020 and Later



*Math prerequisite courses must be completed before enrolling in COSC 236, COSC 237 and COSC 336.

Elective Prerequisites

COSC 350	COSC 290, Co-Req COSC 336
COSC 412	COSC 336
COSC 431	9 COSC units, Instructor Consent
COSC 435	COSC 336
COSC 436	COSC 336
COSC 439	COSC 336
COSC 455	COSC 336
COSC 457	COSC 336

COSC 459	COSC 336 and MATH 330
COSC 461	COSC 336
COSC 467	COSC 457
COSC 471	COSC 336
COSC 483	COSC 336
COSC 484	COSC 336
COSC 495	Senior Standing, 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