



Major - Information Systems Interface Design Track

Computer and Information Sciences

Catalog Year 2026-2027 and Later

Required Information Systems Courses

35 Units

		Units
_____	CIS 211 Fundamentals of Info Sys and Tech	3
_____	COSC 236 Introduction to Computer Science I	4
_____	COSC 237 Introduction to Computer Science II	4
_____	ITEC 231 Fundamentals of Web Technologies	3
_____	CIS 239 Enterprise Systems & Architecture	3
_____	CIS 350 Telecommunications	3
_____	CIS 377 Introduction to Cybersecurity	3
_____	CIS 379 Systems Analysis & Design	3
_____	CIS 435 Human Computer Interaction	3
_____	CIS 458 Organizational Database Management	3
_____	CIS 479 Software Project Management	3

Required Interface Design Track Courses

15 Units

		Units
_____	ART 102 2D Process for Non-Art Majors OR	3
_____	ART 103 2D Process	3
_____	ART 217 Image Making: Digital Process	3
_____	CIS 328 Data Analytics	3
_____	CIS 334 Data Organization	3
_____	CIS 445 Universal Usability	3

IS Capstone

3 Units

		Units
_____	CIS 475 Information Systems Capstone	3

Required Math Courses

9-10 Units

		Units
_____	MATH 231 Basic Statistics	3
_____	MATH 263 Discrete Mathematics	3
_____	MATH 211 Calculus for Applications OR	3
_____	MATH 273 Calculus I	4

Required Core Courses

6 Units

		Units
_____	ENGL 317 Writing for Business & Industry (Core 9)	3
_____	COSC 418 Ethical/Societal Concerns CS (Core 14)	3

Elective IS Courses

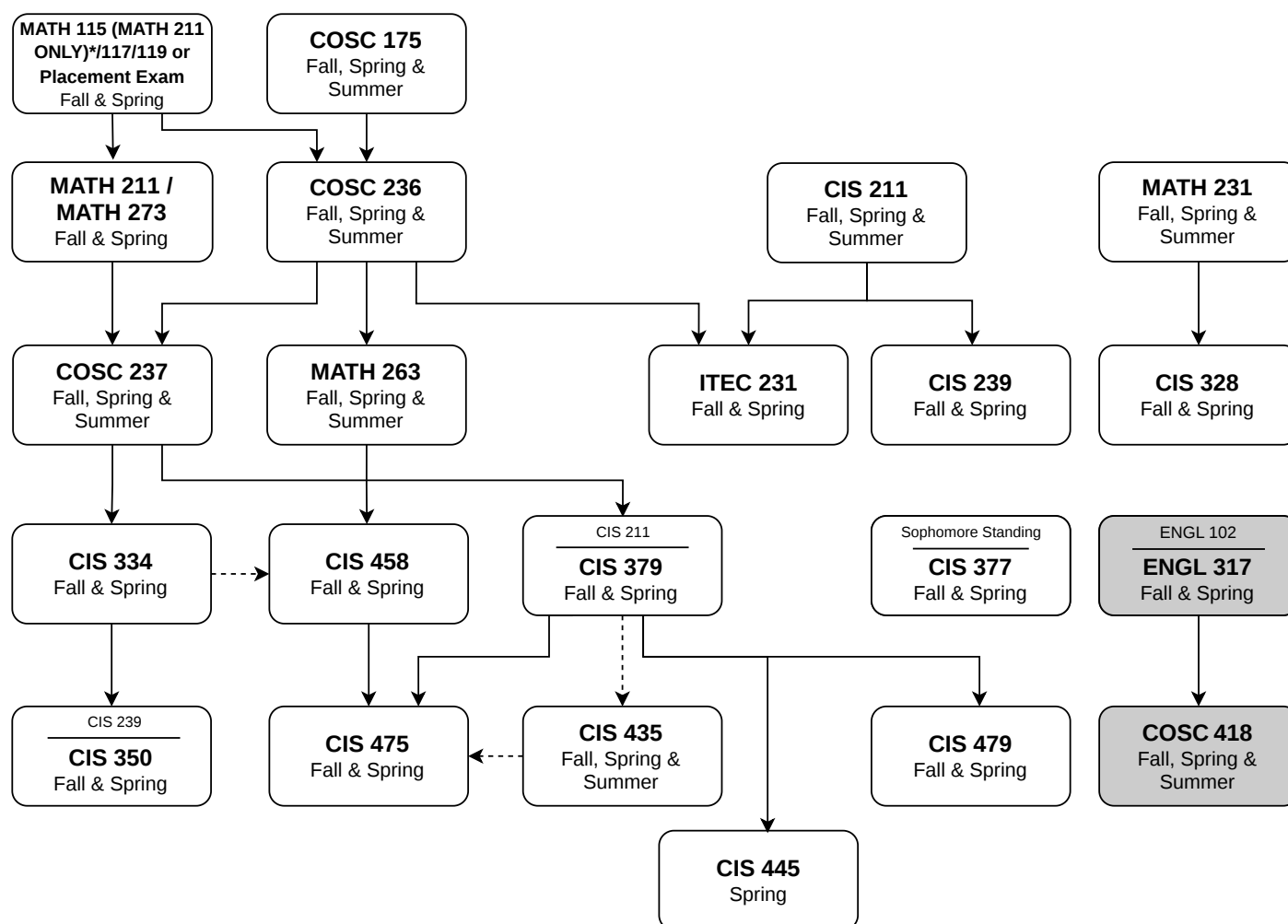
6 Units

		Units
Select 2 courses from the following:		
_____	DFST 101 Intro to Deaf Studies	3
_____	ART 365 Design for the WWW	3
_____	CIS 368 Intro to Applied AI	3
_____	CIS 397 Internship in IS	3
_____	CIS 426 Gaming Interface Design	3
_____	CIS 428 Text Analytics	3
_____	CIS 433 Selected Topics in IS	3
_____	CIS 436 E-Government	3
_____	CIS 455 Human Centered AI and Co-Creation	3
_____	CIS 468 Applied Data Science & Machine Learning	3
_____	CIS 495 Independent Study in IS	3

Total Units: 74-75

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Catalog Year 2026-2027 and Later



*MATH115 is only an accepted prerequisite for MATH211, not MATH273

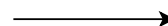
Elective Prerequisites

Course	Prerequisites	Offered
ART 365	ART 217	Fall
DFST 101	No Prerequisite	Fall & Spring
CIS 368	CIS 211, COSC236 or ITEC236, (MATH231, MATH330, or ECON205)	Fall
CIS 397	CIS 334 or COSC 336, 2.75 GPA, IC	Fall, Spring & Summer
CIS 426	CIS 379 or ITEC 411	Fall
CIS 428	CIS 328, (CIS 334 or COSC 336)	Fall & Spring
CIS 433	9 units of IS, Instructor Consent	Occasionally
CIS 436	CIS 379 or ITEC 411	Fall
CIS 455	CIS435	Spring
CIS 468	MATH 231, CIS 334	Fall & Spring
CIS 495	Senior Standing, Instructor Consent	Occasionally

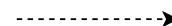
Sophomore Status
CIS 377

Course/Status listed above is also a prerequisite.

Prerequisite



Co-Requisite



*IC refers to instructor consent

Find more advising resources at:

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

View Third Attempt / Prerequisite Policy at:

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

Visit the CIS Advising Hub in YR 207

Or Email: cisadvising@towson.edu

*All course prerequisites are strictly enforced.

