



Major - Information Systems Interface Design Track

Computer and Information Sciences

Catalog Year 2025-2026 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

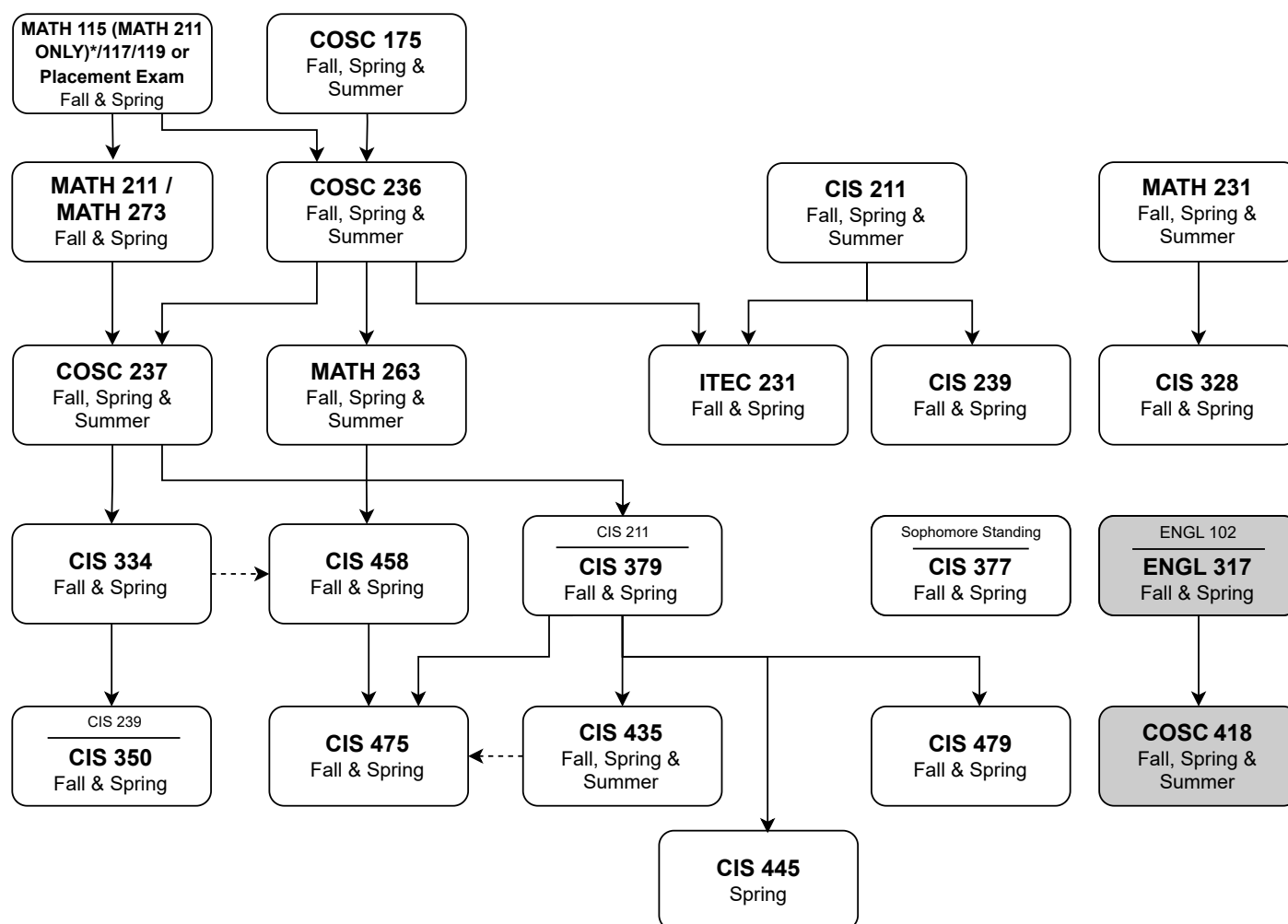
6 Units

		Units
Select 2 courses from the following:		
_____ DFST 101	Intro to Deaf Studies	3
_____ ART 365	Design for the WWW	3
_____ CIS 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 468	Data Mining & Visual Analytics	3
_____ CIS 495	Independent Study in IS	3

Total Units: 74-75

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

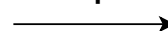
Elective Prerequisites

Course	Prerequisites	Offered
ART 365	ART 217	Fall
DFST 101	No Prerequisite	Fall & Spring
CIS 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 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.

