



Major - Information Systems Interface Design Track

Computer and Information Sciences

Catalog Year 2024-2025 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

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 425 Decision Support Systems	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

Required Core Courses

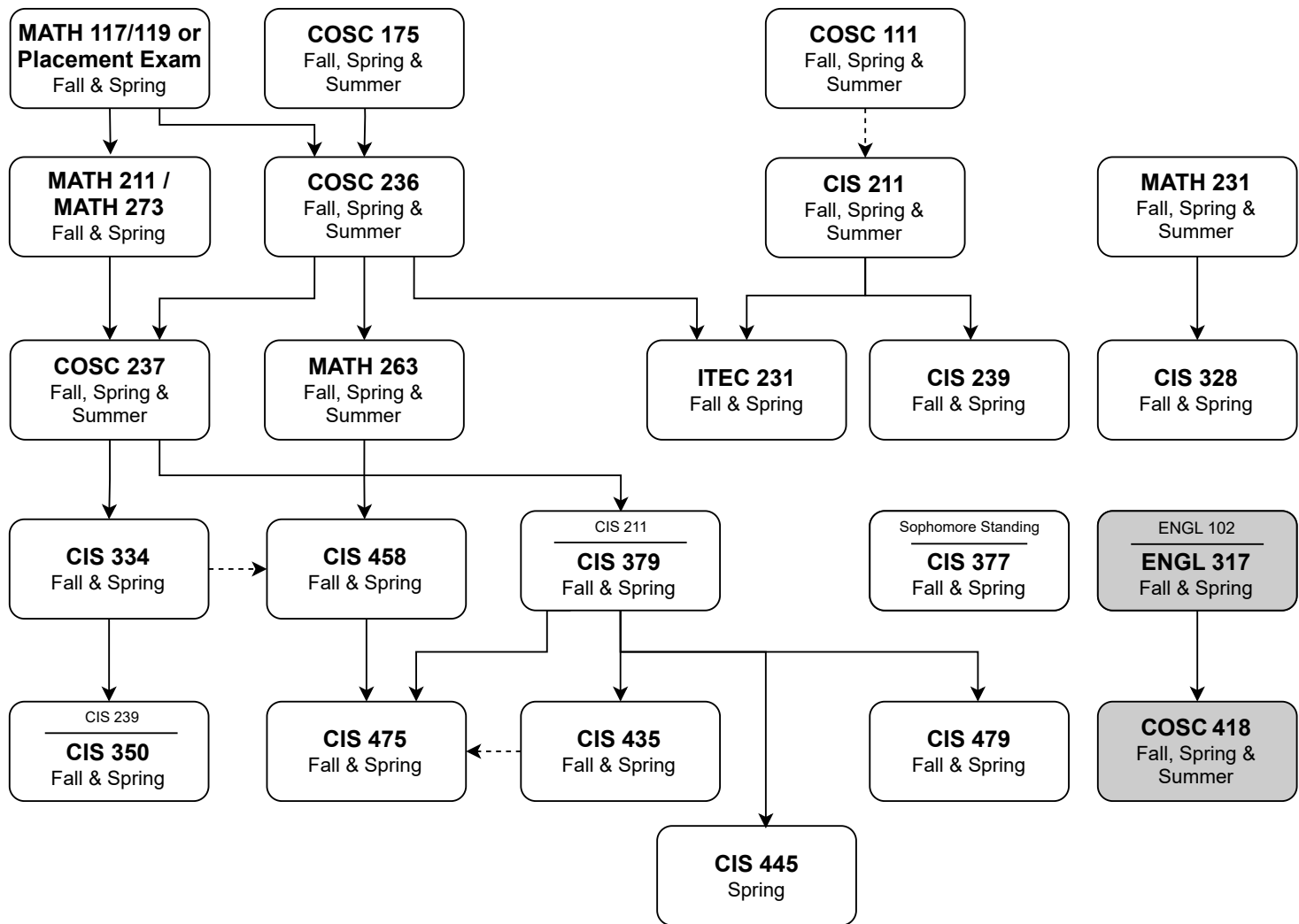
6 Units

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

Total Units: 74-75

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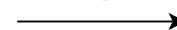
Elective Prerequisites

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 425	CIS 379, MATH 231	Occasionally
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	Spring
CIS 495	Senior Standing, Instructor Consent	Occasionally

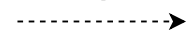
Sophomore Status
CIS 377

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.*

