



Major - Information Systems Business 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 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

IS Capstone

3 Units

		Units
___	CIS 475 Information Systems Capstone	3

Required Business Track Courses

9 Units

		Units
___	CIS 334 Data Organization	3
___	ACCT 201 Principles of Financial Accounting	3
___	ECON 201 Microeconomics	3

Required Course Pair

6 Units

Select one pair from the following list:

		Units
___	ACCT 202 Principles of Managerial Accounting	3
___	ACCT 301 Intermediate Accounting	3
___	ACCT 202 Principles of Managerial Accounting	3
___	ACCT 341 Management Accounting I	3
___	MKTG 341 Principles of Marketing	3
___	MNGT 361 Leadership & Management	3
___	MNGT 361 Leadership & Management	3
___	MNGT 395 Management of Organizational Behavior	3
___	HLTH 207 Health Care in the US	3
___	HCMN 305 Health Administration	3

Elective IS Courses

6 Units

Select 2 courses from the following:

		Units
___	CIS 328 Data Analytics	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 440 Systems Development for E-Commerce	3
___	CIS 468 Data Mining & Visual Analytics	3
___	CIS 495 Independent Study in IS	3
___	ITEC 427 Cloud Computing	3

Total Units: 74-75

Major - Information Systems Business Track

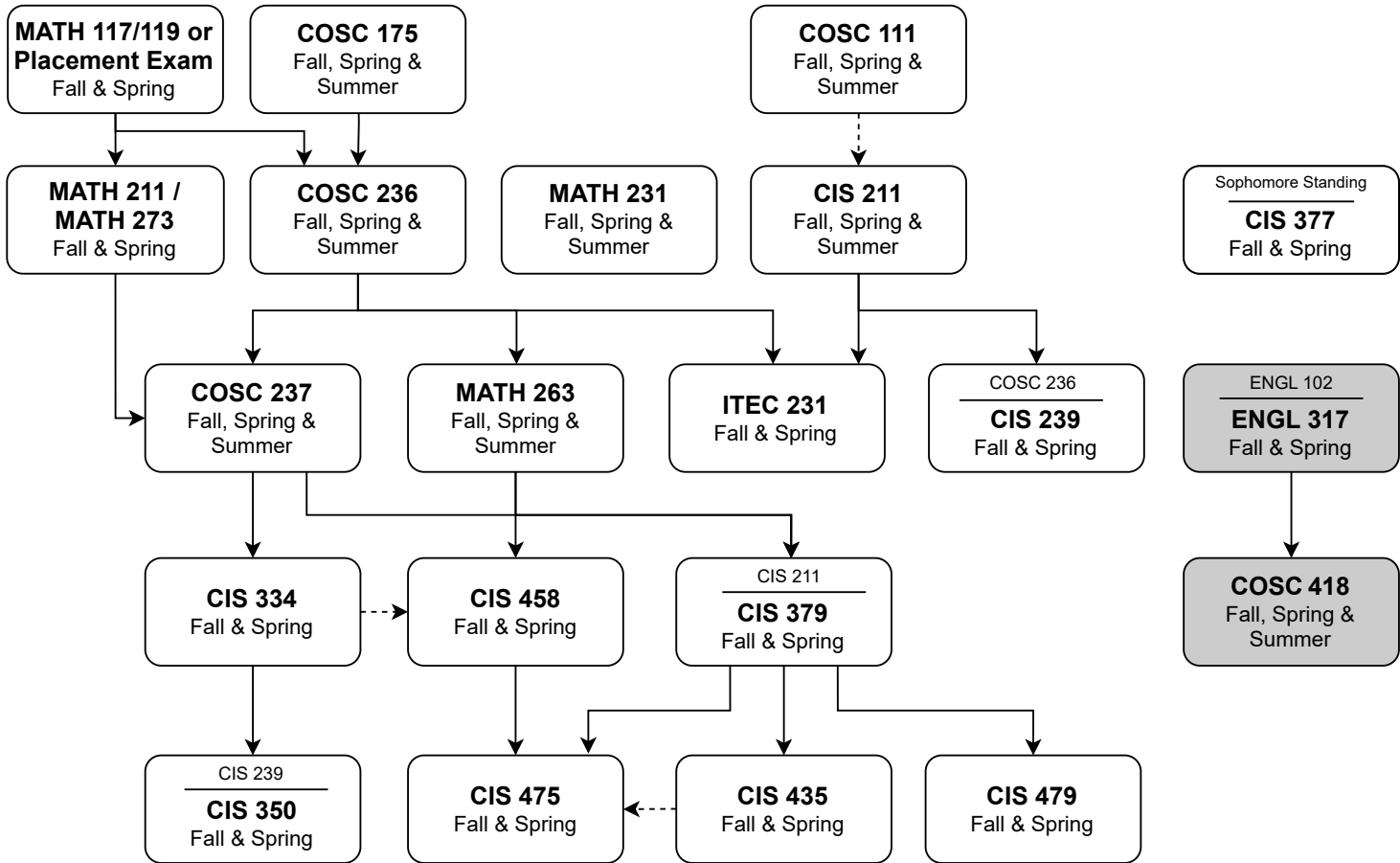
Catalog Year 2024-2025 and Later

Sophomore Status
 CIS 377

Course/Status listed above is also a prerequisite.

Prerequisite →

Co-Requisite - - - - - →



Elective Prerequisites			Course Pair Prerequisites		
Course	Prerequisites	Offered	Course	Prerequisites	Offered
CIS 328	CIS 211, (MATH 231, ECON 205, or MATH 330)	Fall & Spring	ACCT 202	ACCT 201	Fall & Spring
CIS 397	CIS 334 or COSC 336, 2.75 GPA, IC	Fall, Spring & Summer	ACCT 301	ACCT 202	Fall & Spring
CIS 426	CIS 379 or ITEC 411	Fall	ACCT 341	ACCT 202	Fall & Spring
CIS 428	CIS 328, (CIS 334 or COSC 336)	Fall & Spring	MKTG 341	Junior/Senior Standing	Fall & Spring
CIS 433	9 units of IS, Instructor Consent	Occasionally	MNGT 361	Junior/Senior Standing	Fall & Spring
CIS 440	CIS 379 or ITEC 411	Fall	MNGT 395	MNGT 361	Fall & Spring
CIS 468	MATH 231, CIS 334	Spring	HCMN 305	HLTH 207	Fall & Spring
CIS 495	Senior Standing, Instructor Consent	Occasionally	HLTH 207	No Prerequisite	Fall & Spring

*IC refers to instructor consent

**All course prerequisites are strictly enforced.*

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

