

Major - Information Systems Business 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 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 Marketing and Creativity	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

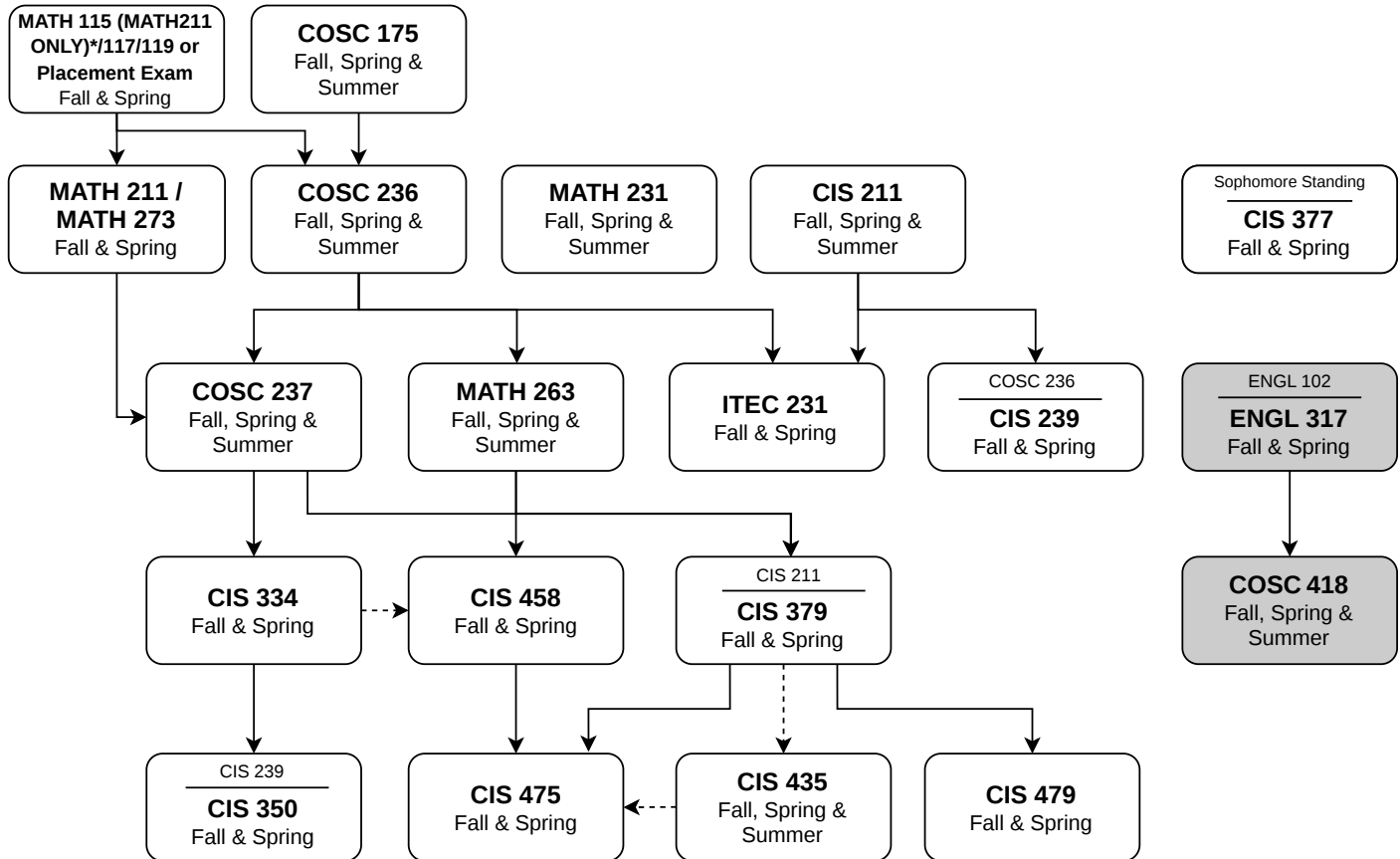
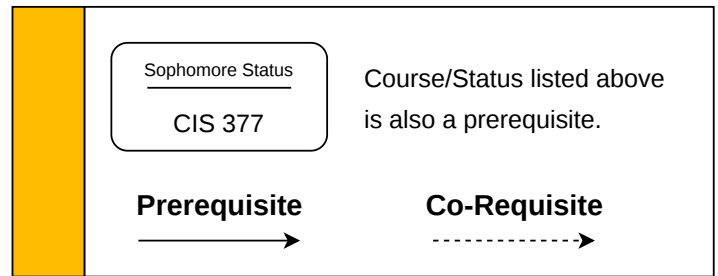
6 Units

Select 2 courses from the following:

		Units
_____	CIS 328 Data Analytics	3
_____	CIS 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 440 Systems Development for E-Commerce	3
_____	CIS 455 Human Centered AI & Co-Creation	3
_____	CIS 468 Applied Data Science & Machine Learning	3
_____	CIS 495 Independent Study in IS	3
_____	ITEC 427 Cloud Computing	3
_____	CIS 455 Human Centered AI and Co-Creation	3

Major - Information Systems Business Track

Catalog Year 2026-2027 and Later



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

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 368	CIS 211, COSC236 or ITEC236, (MATH231, MATH330, or ECON205)	Fall	ACCT 301	ACCT 202	Fall & Spring
CIS 397	CIS 334 or COSC 336, 2.75 GPA, IC	Fall, Spring & Summer	ACCT 341	ACCT 202	Fall & Spring
CIS 426	CIS 379 or ITEC 411	Fall	MKTG 341	Junior/Senior Standing	Fall & Spring
CIS 428	CIS 328, (CIS 334 or COSC 336)	Fall & Spring	MNGT 361	Junior/Senior Standing	Fall & Spring
CIS 433	9 units of IS, Instructor Consent	Occasionally	MNGT 395	MNGT 361	Fall & Spring
CIS 440	CIS 379 or ITEC 411	Fall	HCMN 305	HLTH 207	Fall & Spring
CIS 455	CIS435	Spring	HLTH 207	No Prerequisite	Fall & Spring
CIS 468	MATH 231, CIS 334	Fall & Spring			
CIS 495	Senior Standing, Instructor Consent	Occasionally			

*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.

