



Major - Information Technology Data Management & Analytics

Computer and Information Sciences

Catalog Year 2024-2025 and Later

Required Information Technology Courses

41 Units

		Units
_____	COSC 111 Information & Tech for Business	3
_____	COSC 175 General Computer Science	4
_____	CIS 211 Fundamentals of IS & Business	3
_____	COSC 236 Intro to Computer Science I	4
_____	ITEC 231 Fundamentals of Web Technologies	3
_____	ITEC 250 Fundamentals of Computer Networks	3
_____	ITEC 274 Fundamentals of Sys. Management	3
_____	ITEC 315 Data & Information Management	3
_____	ITEC 325 Sys. Admin & Maintenance	3
_____	ITEC 345 Scripting Languages	3
_____	CIS 377 Introduction to Cybersecurity	3
_____	ITEC 411 Sys. Architecture & Integration	3
_____	CIS 435 Human Computer Interaction	3

Required Data Management & Analytics Track Courses

12 Units

		Units
_____	CIS 328 Introduction to Data Analytics	3
_____	CIS 428 Text Analytics	3
_____	CIS 468 Applied Data Mining & Visual Analytics	3
_____	ITEC 451 Advanced Data Management/Analysis	3

Elective ITEC Courses

6 Units

Select 2 of the following:

		Units
_____	ITEC 397 Information Technology Internship	3
_____	ITEC 423 Emerging Internet Technologies	3
_____	ITEC 427 Cloud Computing for Enterprises	3
_____	ITEC 437 Disaster Recovery	3
_____	ITEC 464 Web Development	3
_____	ITEC 470 Special Topics in Information Technology	3
_____	ITEC 485 Information Technology Senior Practicum	3

Required Math Courses

9 Units

		Units
_____	MATH 115 College Algebra	3
_____	MATH 231 Basic Statistics OR	3
_____	ECON 205 Statistics for Business & Economics	3
_____	MATH 263 Discrete Mathematics	3

Required Core Courses

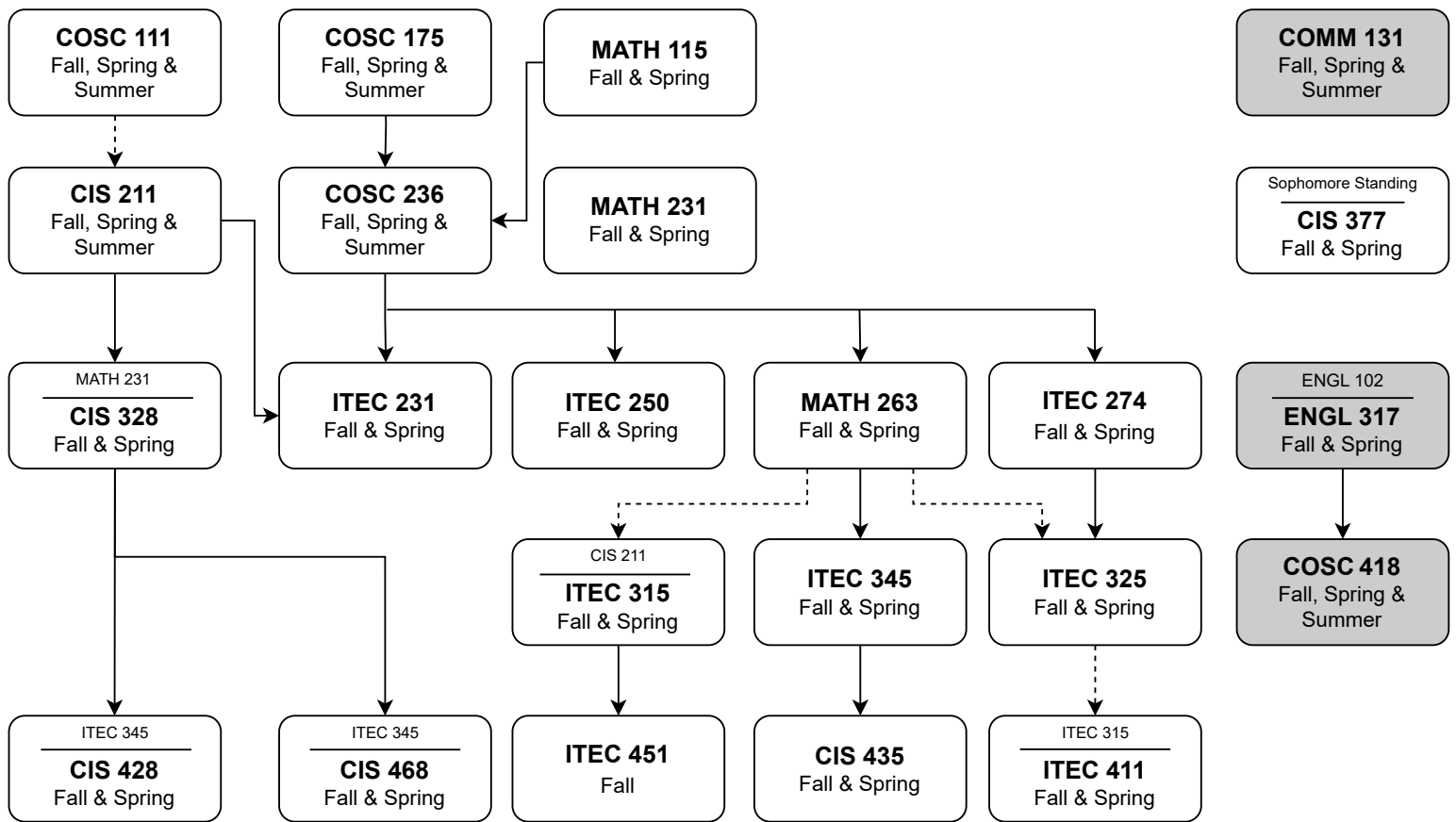
9 Units

		Units
_____	COMM 131 Public Speaking (Core 5)	3
_____	ENGL 317 Writing for Business & Industry (Core 9)	3
_____	COSC 418 Ethical/Societal Concerns CS (Core 14)	3

Total Units: 77

Major - Information Technology with a Track in Data Management & Analytics

Catalog Year 2024-2025 and Later



*All course prerequisites are strictly enforced.

Elective Prerequisites		Offered	Prerequisite
Elective	Prerequisites		
ITEC 397	ITEC 315/ITEC 325/ITEC 345, 2.75 GPA, IC	Fall, Spring & Summer	→
ITEC 423	ITEC 231	Fall, Spring & Summer	→
ITEC 427	ITEC 231	Fall & Spring	→
ITEC 437	ITEC 325	Fall & Spring	→
ITEC 464	ITEC 231	Fall & Spring	→
ITEC 470	12 units of ITEC, COSC or CIS	Occasionally	→
ITEC 485	ITEC 411 and Senior Standing	Fall & Spring	→

Co-Requirement

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Course/Status listed above is also a prerequisite.

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

