



Computer and Information Sciences

Major - Information Technology Network Security

Catalog Year 2026-2027 and Later

Required Information Technology Courses

38 Units

		Units
_____	COSC 175 General Computer Science	4
_____	CIS 211 Fundamentals of IS & Business	3
_____	COSC 236 Intro to Computer Science I OR	4
_____	ITEC 236 Fundamentals of Programming	
_____	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 Network Security Track Courses

12 Units

		Units
_____	ITEC 357 Networking & Security Practicum	3
_____	ITEC 433 Cybersecurity Risk Management	3
_____	ITEC 450 Advanced Computer Networking	3
_____	ITEC 457 Applied Network Security	3

Elective ITEC Courses

6 Units

Select 2 of the following:		Units
_____	ITEC 217 Computing Hardware & Infrastructure	3
_____	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 470 Special Topics in Information Technology	3
_____	ITEC 485 Information Technology Senior Practicum	3

Total Units: 74

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 OR	3
_____	MATH 261 Discrete Mathematics for Applications	

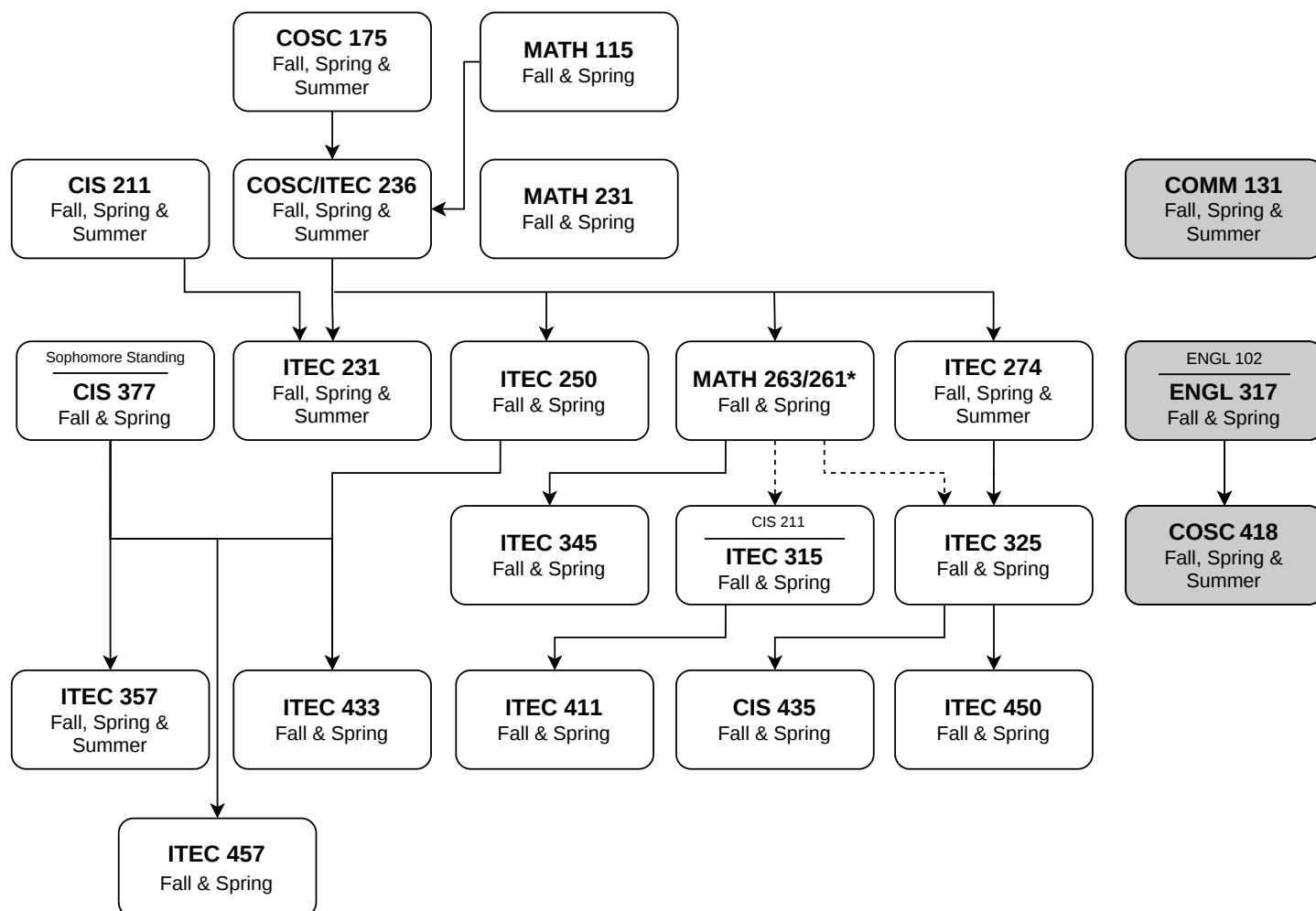
Required Core Courses

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

Major - Information Technology with a Track in Network Security

Catalog Year 2026-2027 and Later



*The prerequisite to MATH 261 is MATH 115

*All course prerequisites are strictly enforced.

Elective Prerequisites

Elective Prerequisites

ITEC 217 CIS 211
 ITEC 397 ITEC 315/ITEC 325/ITEC 345, 2.75 GPA, IC
 ITEC 423 ITEC 231
 ITEC 427 ITEC 231
 ITEC 437 ITEC 325
 ITEC 470 12 units of ITEC, COSC or CIS
 ITEC 485 ITEC 411 and Senior Standing

Offered

Fall
 Fall, Spring & Summer
 Fall, Spring & Summer
 Fall & Spring
 Fall & Spring
 Occasionally
 Fall & Spring

Sophomore Status

CIS 377

Prerequisite

Co-Requisite

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

