



Major - Information Technology Network Security

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 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: 77

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

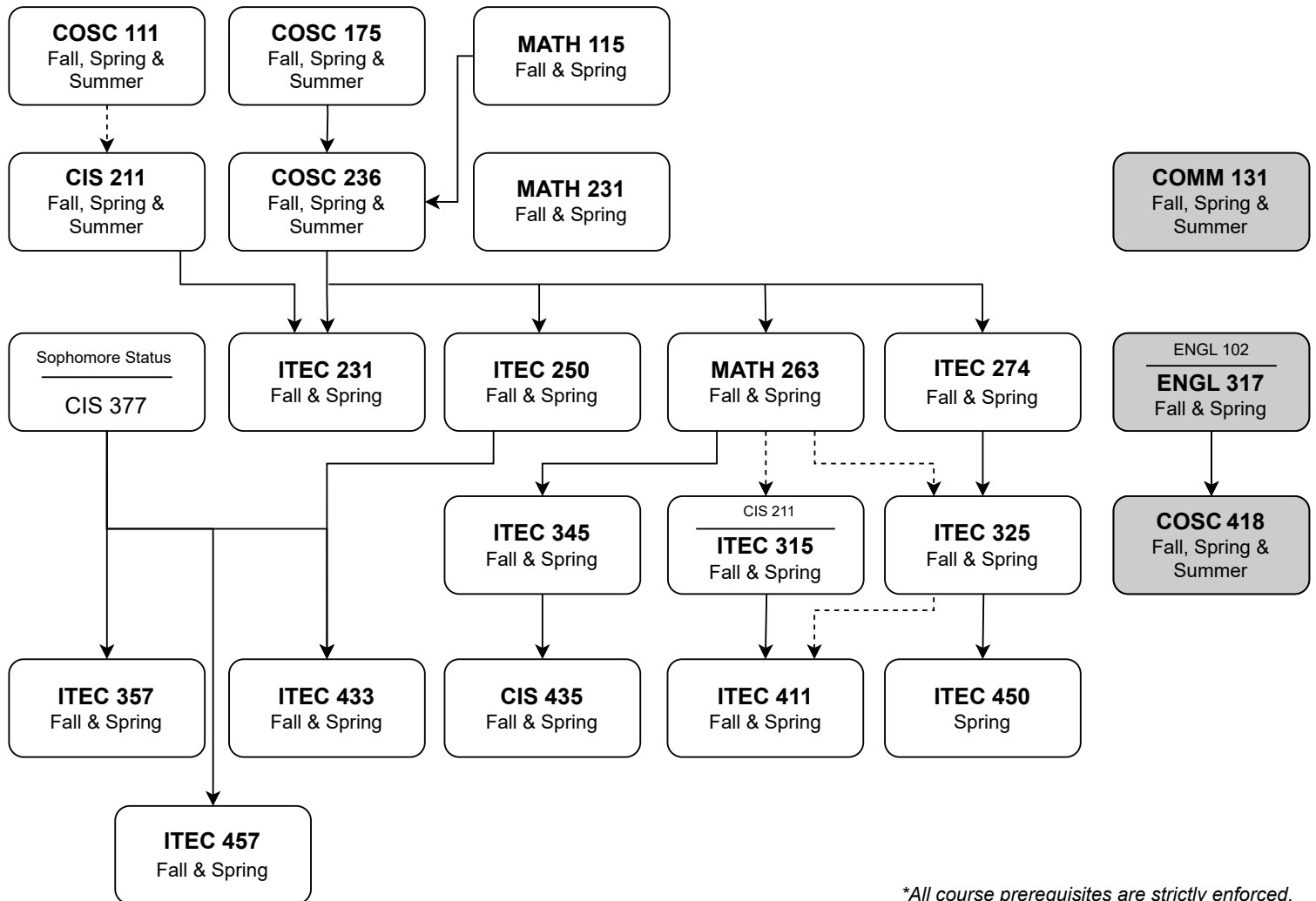
Required Core Courses

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

Major - Information Technology with a Track in Network Security

Catalog Year 2024-2025 and Later



**All course prerequisites are strictly enforced.*

	Elective Prerequisites			
	Elective Prerequisites		Offered	Prerequisite
	ITEC 217 CIS 211	Fall		
	ITEC 397 ITEC 315/ITEC 325/ITEC 345, 2.75 GPA, IC	Fall, Spring & Summer		
ITEC 423 ITEC 231	Fall, Spring & Summer		Co-Requirement	
ITEC 427 ITEC 231	Fall & Spring			
ITEC 437 ITEC 325	Fall & Spring			
ITEC 470 12 units of ITEC, COSC or CIS	Occasionally			
ITEC 485 ITEC 411 and Senior Standing	Fall & Spring			

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

