



Computer and Information Sciences

Major - Information Technology Network Security

Catalog Year 2025-2026 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	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: 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	3

Required Core Courses

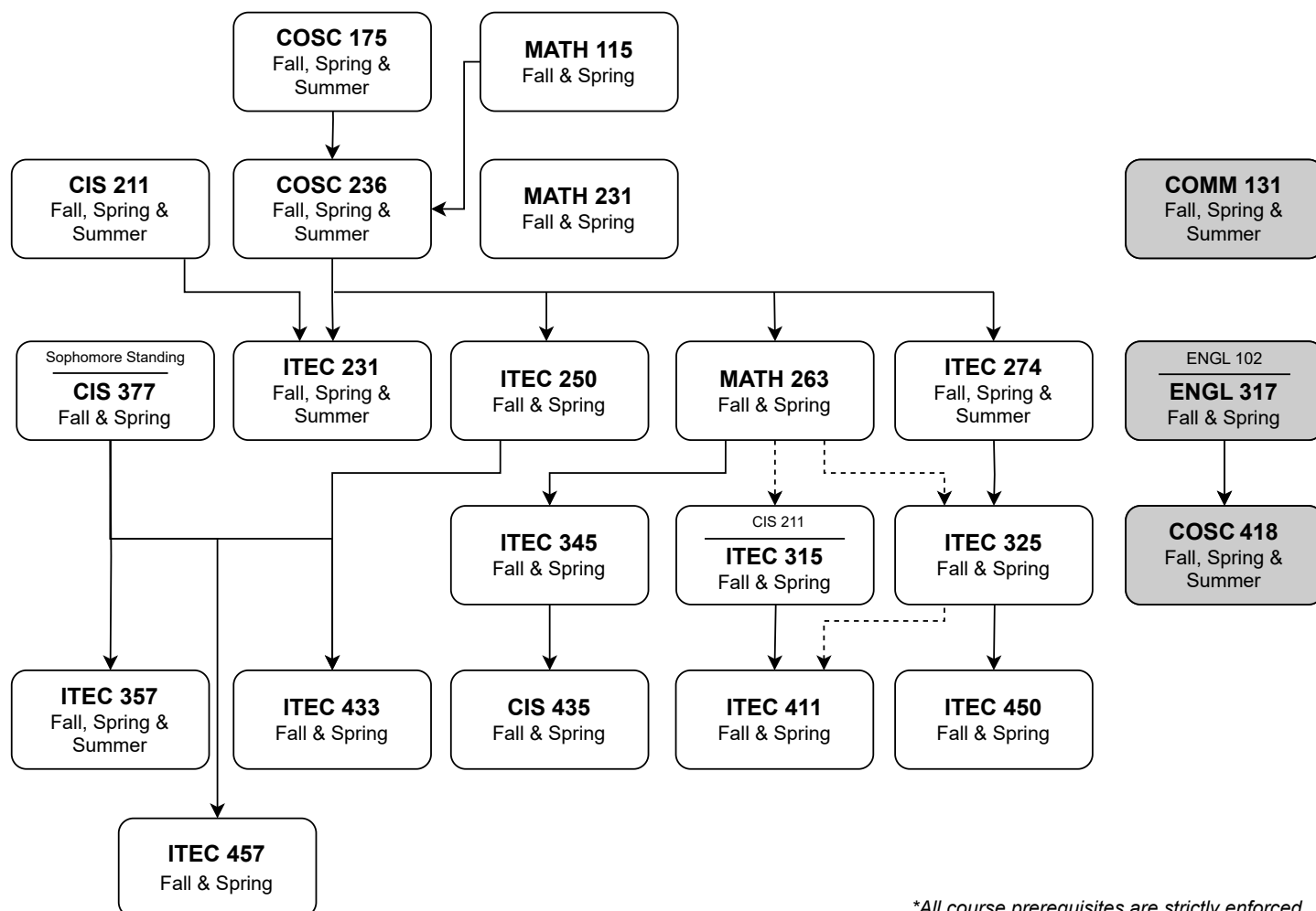
9 Units

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 2025-2026 and Later



**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

