



Computer and Information Sciences

Major - Information Technology Network Security

Catalog Year 2021-2022 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 Math Courses

6 Units

Units

- _____ 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

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

Units

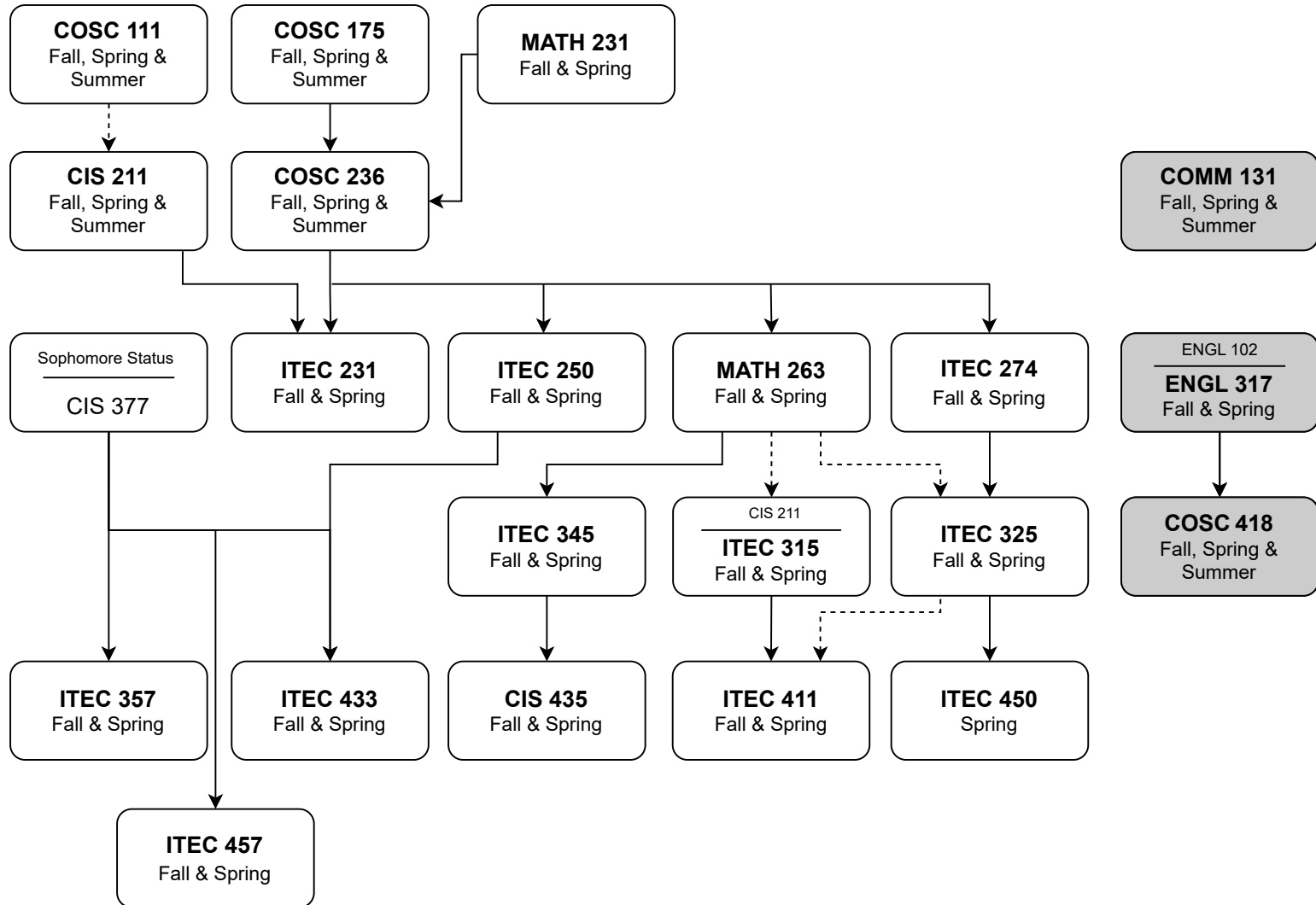
Select 2 of the following:

- _____ 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: 74-75

Major - Information Technology with a Track in Network Security

Catalog Year 2021-2022 and Later



Elective Prerequisites

Elective	Prerequisites	Offered
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
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

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>

Visit the CIS Advising Hub in YR 207

Or Email: cisadvising@towson.edu