

Required Information Technology Courses

47 Units

		Units	Offered
_____ COSC 111	Information and Technology for Business	3	Fall & Spring
_____ COSC 175	General Computer Science	4	Fall & Spring
_____ CIS 211	Fundamentals of Information Systems and Business	3	Fall & Spring
_____ COSC 236	Introduction to Computer Science I	4	Fall & Spring
_____ ITEC 231	Fundamentals of Web Technologies	3	Fall & Spring
_____ ITEC 250	Fundamentals of Computer Networks	3	Fall & Spring
_____ ITEC 274	Fundamentals of System Management	3	Fall & Spring
_____ ITEC 315	Data and Information Management	3	Fall & Spring
_____ ITEC 325	System Administration and Maintenance	3	Fall & Spring
_____ ITEC 345	Scripting Languages	3	Fall & Spring
_____ CIS 377	Information Systems Security	3	Fall & Spring
_____ ITEC 411	System Architecture and Integration	3	Fall & Spring
_____ CIS 435	Human Computer Interaction	3	Fall & Spring
_____ ITEC 485	Information Technology Capstone	3	Fall & Spring
_____ COSC 418	Ethics and Societal Concerns of Computer Scientists	3	Fall & Spring

Elective ITEC Courses

15 Units (At least 12 units must be upper level)

		Units	Offered
_____ CIS 212	Introduction to Business Programming OR		Spring
_____ ITEC 217	Computing Hardware and Infrastructure OR	3-4	Fall
_____ CIS 265	Visual Basic Programming OR		Fall & Spring
_____ COSC 237	Introduction to Computer Science II		Fall & Spring
_____ CIS 426	Gaming Design	3	Ocassionally
_____ CIS 436	E-Government	3	Spring
_____ CIS 440	Systems Development for E-Commerce	3	Fall
_____ CIS 445	Universal Usability	3	Spring
_____ CIS 468	Applied Data Mining & Visual Analytics	3	Spring
_____ ITEC 336	Legal and Policy Issues in Information Technology	3	Fall & Spring
_____ ITEC 357	Network/Security Practicum	3	Fall & Spring
_____ ITEC 397	Internship in Information Technology	3	Fall, Spring & Summer
_____ ITEC 423	Emerging Internet Technologies	3	Fall & Spring
_____ ITEC 425	Enterprise IT Architecture	3	Spring
_____ ITEC 427	Cloud Computing for Enterprises	3	Spring
_____ ITEC 433	Cybersecurity Risk Management	3	Fall & Spring
_____ ITEC 437	Disaster Recovery and Enterprise Continuity	3	Fall & Spring
_____ ITEC 450	Advanced Networking	3	Fall
_____ ITEC 451	Advanced Data Management and Analysis	3	Spring
_____ ITEC 464	Web Development	3	Fall & Spring
_____ ITEC 470	Special Topics in Information Technology	3	Ocassionally
_____ ITEC 495	Independent Study in Information Technology	3	Ocassionally

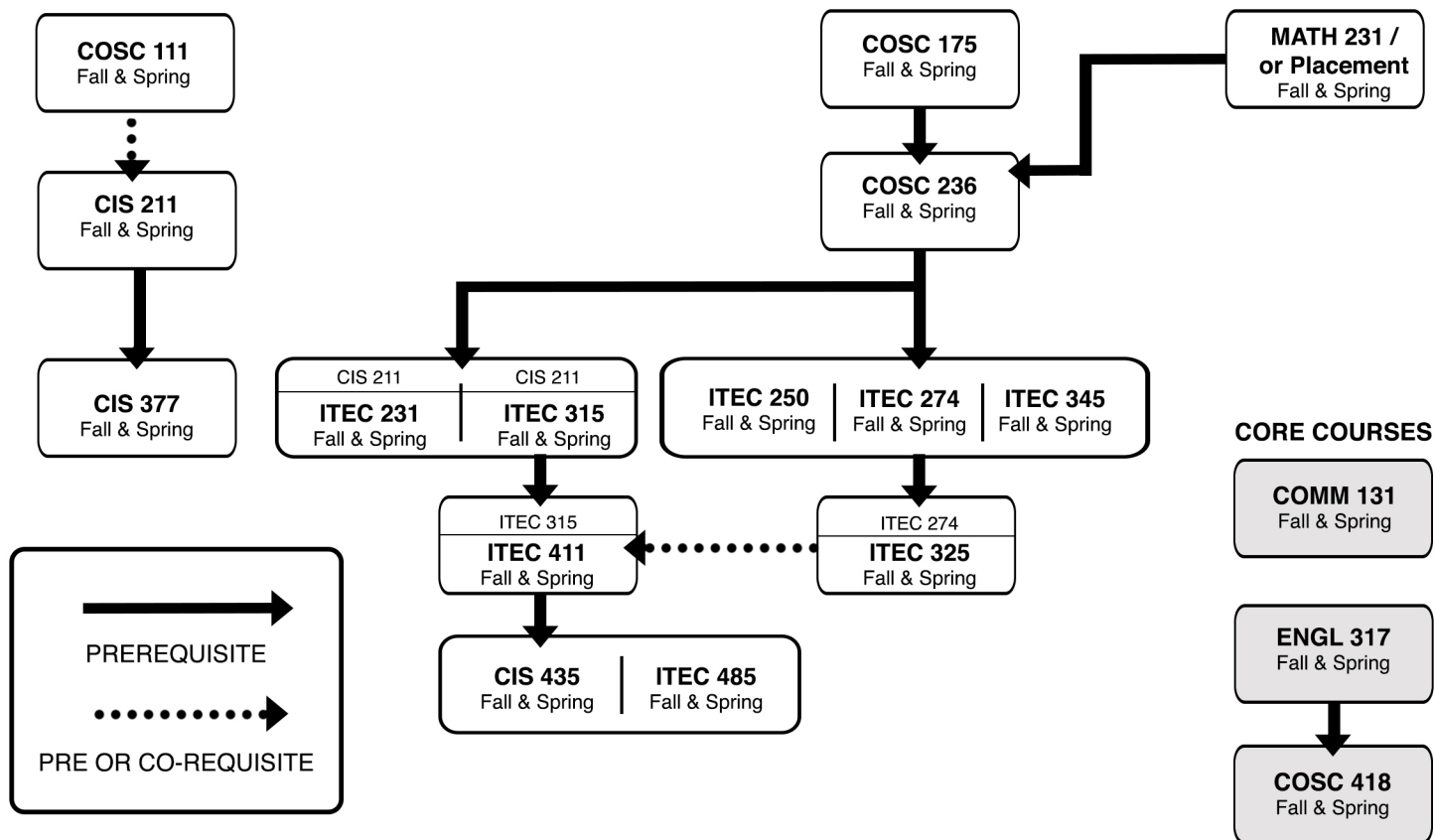
Required Core Courses

9 Units

		Units	Offered
_____ COMM 131	Fundamentals of Speech Communication (Core 5)	3	Fall & Spring
_____ MATH 231 OR	Basic Statistics (Core 3)		
_____ ECON 205	Statistics for Business and Economics (Core 3)	3	Fall & Spring
_____ ENGL 317	Writing for Business and Industry (Core 9)	3	Fall & Spring

Major - Information Technology

Catalog Year 2018 - 2019



ELECTIVE PREREQUISITES

COURSE	PREREQUISITE
ITEC 217	CIS 211
CIS 212	previous programming experience
CIS 265	previous programming experience
COSC 237	COSC 236
CIS 426	CIS 379 OR ITEC 411
CIS 436	CIS 379 OR ITEC 411
CIS 440	ITEC 411
CIS 445	ITEC 411
CIS 468	MATH 231 & CIS 334 OR COSC 336
ITEC 336	CIS 211 & COSC 236 (coreq)
ITEC 357	ITEC 250 & CIS 377
ITEC 397	permission of internship coordinator

COURSE	PREREQUISITE
ITEC 423	ITEC 231
ITEC 425	ITEC 411
ITEC 427	ITEC 231
ITEC 433	ITEC 250 & CIS 377
ITEC 437	ITEC 325
ITEC 450	ITEC 250 & ITEC 325
ITEC 451	ITEC 315
ITEC 464	ITEC 231
ITEC 470	12 units of ITEC/COSC/CIS
ITEC 485	ITEC 411 & senior standing in ITEC
ITEC 495	senior standing in ITEC

Find more advising resources on:

www.towson.edu/fcsm/departments/computerinfosci/resources/advising.html

