

**Towson University**  
**Computer & Information Sciences**  
**Information Technology**  
**Catalog Years 2014-15 through 2015-16**

**Required Courses (40 units) Units    Grade**

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

**Elective Courses (15 units) [must complete at least 4 upper level electives] Units    Grade**

_____	CIS 212	Introduction to Business Programming <b>OR</b>	3-4	_____
_____	ITEC 217	Computing Hardware and Infrastructure <b>OR</b>		
_____	CIS 265	Visual Basic Programming <b>OR</b>		
_____	COSC 237	Introduction to Computer Science II		
_____	CIS 440	Systems Development for E-Commerce	3	_____
_____	CIS 445	Universal Usability	3	_____
_____	ITEC 336	Legal and Policy Issues in Information Technology	3	_____
_____	ITEC 345	Scripting Languages	3	_____
_____	ITEC 397	Internship in Information Technology	3	_____
_____	ITEC 423	Emerging Internet Technologies	3	_____
_____	ITEC 425	Enterprise IT Architecture	3	_____
_____	ITEC 427	Cloud Computing for Enterprises	3	_____
_____	ITEC 437	Disaster Recovery and Enterprise Continuity	3	_____
_____	ITEC 450	Advanced Networking	3	_____
_____	ITEC 451	Advanced Data Management and Analysis	3	_____
_____	ITEC 464	Web Development	3	_____
_____	ITEC 470	Special Topics in Information Technology	3	_____
_____	ITEC 495	Independent Study in Information Technology	3	_____

**Required General Education / Core Courses (9 units) Units    Grade**

_____	COMM 131/132	Fundamental of Speech Communication / Honors (Core 5)	3	_____
_____	MATH 231/233	Basic Statistics / Honors (Core 3) <b>OR</b>	3	_____
_____	ECON 205	Statistics for Business and Economics (Core 3)		
_____	ENGL 317	Writing for Business and Industry (Core 9)	3	_____

**Total Units 64**

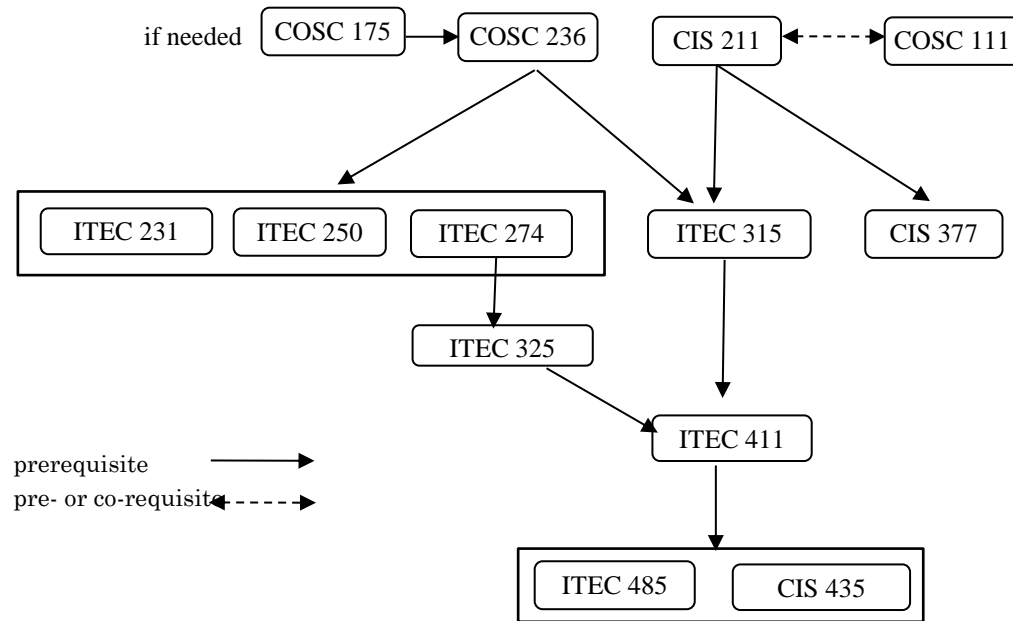
**Note: All courses required for the major MUST be completed with a C (2.0) or better**

updated 2/2014

# Computer & Information Sciences

## Information Technology

### Prerequisites 2014-15 and later



#### Electives:

ITEC 217 - CIS 211  
 CIS 212 - previous programming experience  
 CIS 265 - previous programming experience  
 COSC 237 - COSC 236  
 CIS 440 - ITEC 411  
 CIS 445 - ITEC 411  
 ITEC 336 - CIS 211 & COSC 236 (coreq)  
 ITEC 345 - COSC 236  
 ITEC 397 - permission of internship faculty coordinator

ITEC 423 - ITEC 231  
 ITEC 425 - ITEC 411  
 ITEC 427 - ITEC 231  
 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 495 - senior standing in IT

7/7/14