

Towson University
Computer & Information Sciences
Information Technology
Catalog Years 2012-13 and 2013-14

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 | ___ |
| ___ CIS 435 | Human Computer Interaction | 3 | ___ |
| ___ ITEC 485 | Information Technology Capstone | 3 | ___ |
| ___ COSC 418 | Ethics and Societal Concerns of Computer Scientists | 3 | ___ |

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

| | | | |
|--------------|---|-----|-----|
| ___ CIS 212 | Introduction to Business Programming OR | 3-4 | ___ |
| ___ ITEC 217 | Computing Hardware and Infrastructure OR | | |
| ___ CIS 265 | Visual Basic Programming OR | 3 | ___ |
| ___ 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 | ___ |
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Required General Education / Core Courses (3 units) **Units** **Grade**

| | | | |
|--------------|--|---|-----|
| ___ ENGL 317 | Writing for Business and Industry (Core 9) | 3 | ___ |
|--------------|--|---|-----|

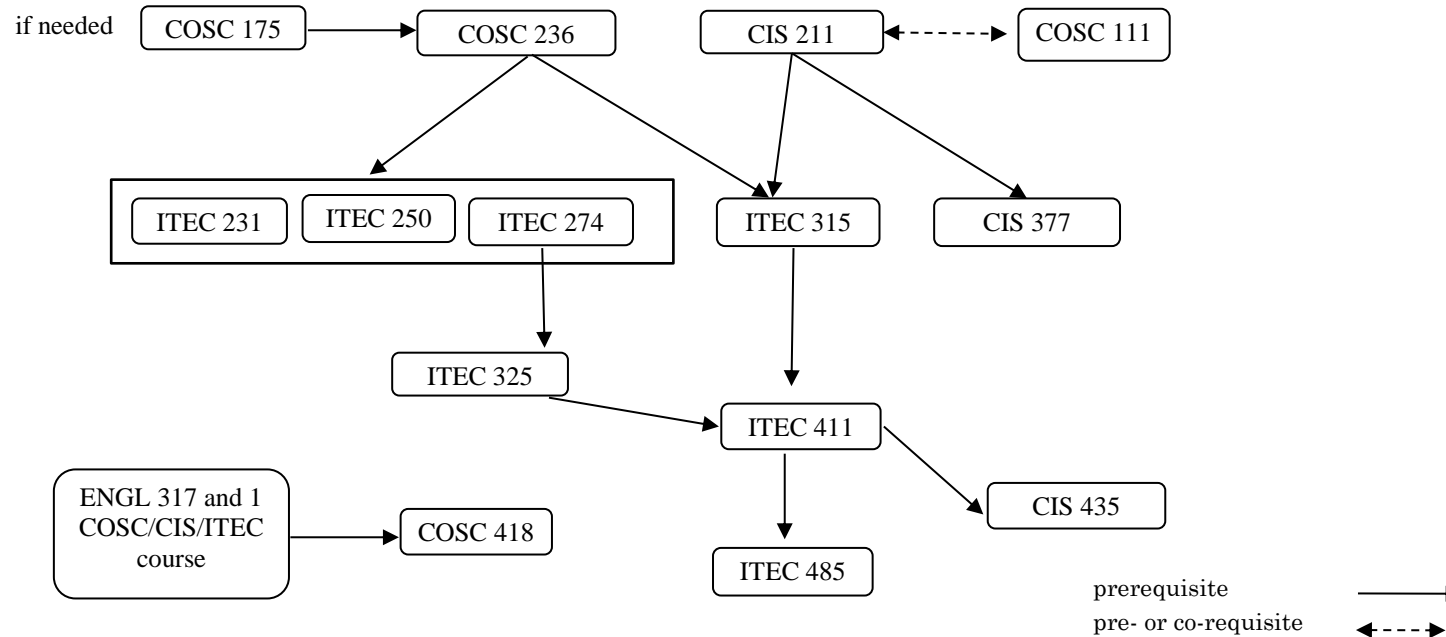
Total Units **58**

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

Computer & Information Sciences

Information Technology

Prerequisites 2012-13 and 2013-14



Electives:

| | | | |
|----------|--|----------|---------------------------|
| ITEC 217 | CIS 211 | ITEC 423 | ITEC 231 |
| CIS 212 | previous programming experience | ITEC 425 | ITEC 411 |
| CIS 265 | previous programming experience | ITEC 427 | ITEC 231 |
| COSC 237 | COSC 236 | ITEC 437 | ITEC 325 |
| CIS 440 | ITEC 411 | ITEC 450 | ITEC 250 & ITEC 325 |
| CIS 445 | ITEC 411 | ITEC 451 | ITEC 315 |
| ITEC 336 | CIS 211 & COSC 236 (coreq) | ITEC 464 | ITEC 231 |
| ITEC 345 | COSC 236 | ITEC 470 | 12 units of ITEC/COSC/CIS |
| ITEC 397 | permission of internship faculty coordinator | ITEC 495 | senior standing in IT |

updated 2/2014