

## Computer Science and Electrical & Computer Engineering Courses Transferable to Information Technology & Management

### Computer Science

CS 100	Introduction to the Profession I	CS 548	Broadband Networks
CS 105	Introduction to Computer Programming I	CS 549	Cryptography and Network Security
CS 106	Introduction to Computer Programming II	CS 550	Advanced Operating Systems
CS 115	Object-Oriented Programming I	CS 551	Operating System Design and Implementation
CS 116	Object-Oriented Programming II	CS 552	Distributed Systems
CS 200	Introduction to C++ Programming	CS 553	Pervasive Computing
CS 201	Accelerated Introduction to Computer Science	CS 580	Medical Informatics
CS 350	Computer Organization and Assembly Language Programming	CS 583	Expert Systems
CS 351	Systems Programming	CS 584	Machine Learning
CS 411	Computer Graphics	CS 586	Software Systems Architectures
CS 422	Data Mining	CS 587	Software Project Management
CS 425	Database Organization	CS 588	Advanced Software Engineering Development
CS 429	Information Retrieval	CS 589	Software Testing and Analysis
CS 440	Programming Languages and Translators	CS 642	Advanced Topics in Networking
CS 441	Current Topics in Programming Languages	CS 653	Pervasive Computing
CS 445	Object-Oriented Design and Programming	CS 689	Advanced Topics in Software Engineering
CS 447	Distributed Objects	CS 700	Visual Basic Programming
CS 450	Operating Systems	CS 701	C++ Programming
CS 455	Data Communications	CS 702	Database Design & Management with MS Access
CS 458	Information Security	CS 704	Concurrent Programming in Java
CS 470	Computer Architecture	CS 705	Java Graphical User Interface
CS 485	Computers and Society	CS 706	Object-Oriented Design in Java
CS 487	Software Engineering I	CS 707	Visual Basic I
CS 511	Topics in Computer Graphics	CS 708	Visual Basic II
CS 512	Computer Vision	CS 712	Introduction to the Internet
CS 520	Database Design and Engineering	CS 713	HTML/Web Page Authoring
CS 521	Object-Oriented Analysis and Design	CS 714	Web Site Design and Management
CS 522	Data Mining	CS 750	CS Computer Aided Software Engineering
CS 524	Theory of Information System Design	CS 751	Object Oriented Modeling & Design
CS 525	Advanced Database Organization	CS 754	Text Database Processing
CS 527	Client-Server Application Development I	CS 755	Internet Architecture
CS 528	Client-Server Application Development II	CS 756	Web Programming in Java
CS 529	Advanced Information Retrieval	CS 757	Distributed Computing in Java
CS 537	Software Metrics	CS 758	Client Server Database Development with MS Access
CS 542	Computer Networks I: Fundamentals	CS 759	Client Server Database Development with MS Access and SQL Server
CS 543	Advanced Topics in Computer Networks	CS 760	Information Technology Entrepreneurship
CS 544	Computer Networks II: Network Services	CS 761	Commercial Topics in Information Systems
CS 545	Distributed Computing Landscape	CS 762	Software Configuration Management
CS 546	Parallel and Distributed Processing	CS 763	Automated Software Testing
CS 547	Wireless Networking	CS 780	Software Maturity Model Development

### Electrical and Computer Engineering

ECE 100	Introduction to the Profession I	ECE 545	Advanced Communication Networks
ECE 242	Digital Computers and Computing	ECE 570	Fiber-Optic Communication Systems
ECE 401	Communication Electronics	ECE 585	Advanced Computer Architecture
ECE 403	Communication Systems	ECE 587	Hardware/Software Codesign
ECE 404	Digital and Data Communications	ECE 643	Advanced Topics in Computer Networks
ECE 405	Communication Systems with Laboratory	ECE 701	Cellular Mobile Communications
ECE 406	Digital and Data Communications with Laboratory	ECE 702	Wireless Data Networking
ECE 407	Introduction to Computer Networks	ECE 703	Wireless Digital Communications
ECE 409	Communications Electronics with Laboratory	ECE 704	Design of High Reliability/Availability Real-Time Systems
ECE 416	Industrial Electronics Design and Automation	ECE 708	Space Time Coding for Wireless Communication Systems
ECE 417	Automation and Control	ECE 709	Simulation of Comm Systems with Wireless Applications
ECE 441	Microcomputers	ECE 710	Internet Telephony
ECE 448	Mini/Micro Computer Programming	ECE 711	Current Developments in Telecommunications
ECE 449	Object-Oriented Programming & Computer Simulation	ECE 712	Wireless Digital Communications Cellular/Personal
ECE 485	Computer Organization and Design	ECE 713	Technology For Wireless Communications
ECE 502	Basic Network Theory	ECE 714	Third Generation Mobile Communications
ECE 504	Wireless Communication System Design	ECE 716	Computer Network Management
ECE 508	Signal and Data Compression	ECE 718	DSL: Digital Subscriber Line Communications
ECE 512	Mobile Communications Systems	ECE 740	Telecommunication Networks: Architecture & Evolution
ECE 513	Communication Engineering Fundamentals	ECE 741	ATM Broadband Networks
ECE 514	Digital Communication Principles	ECE 743	Advanced Topics in Computer Networking
ECE 515	Modern Digital Communications	ECE 744	Digital Signal Processing in Telecommunications
ECE 519	Coding for Reliable Communications	ECE 745	Applied CDMA/Wireless Communications
ECE 541	Performance Evaluation of Computer Networks	ECE 748	Java Programming For Engineering
ECE 542	Design and Optimization of Computer Networks	ECE 789	Telecommunications Switching
ECE 543	Computer Network Security		

**Notes:** Only courses with a grade of "C" or better for undergraduates and "B" or better for graduate students may be transferred. Courses at less than the 400 and at the 700 level are only transferable as prerequisites for graduate students. Graduate students normally may transfer a maximum of 9 credits from another degree program. CS 458, CS 549 and ECE 543 may be used as electives in the Computer & Information Security specialization but may not be substituted for any recommended courses.