

Comprehensive Information Technology Major Bachelor of Science

Fall 2024 6/17/2024

	Cr Hrs	Cr Rec	Cr Bal	Prerequisites/ Periodicity		Cr Hrs	Cr Rec	Cr Bal	Prerequisites/ Periodicity
General Education Requirements	45-49				IT List				
College of Business Core Requirements	36-48				ITC 330 - Introduction to Networking ²	3			ITC 235 ¹
Requirements for Information Technology Major					ITC 362 - Mobile App Development ²	3			ITC 260 ¹
ITC 235 - Computer Hardware and Operating Systems	3				ITC 366 - Introduction to .Net Development with C# ²	3			ITC 260 ¹
ITC 260 - Programing Logic and Design for Business	3			MTH 134 or above	ITC 370 - Introduction to Web Development ²	3			ITC 260 ¹ / Fall
ITC 295 - Database Management Systems Concepts and Design	3			MTH 134 or above	ITC 394 - Cooperative Education in Information Technology and Cybersecurity	1-3			Acceptance into cooperative education program, permission ¹
ITC 388 - Information Systems Analysis and Design	3			ITC 235 or ITC 260 or ITC 295 or concurrent enrollment ¹	ITC 397 - Topics in Information Technology and Cybersecurity	1-3			Permission ¹
Complete one of the following options:					ITC 420 - IT Project Management	3			Spring ¹
Option 1: Application Development					ITC 430 - Advanced Networking ²	3			ITC 330 ¹ / demand
ITC 466- Advanced .Net Development with C# OR	3			ITC 295, ITC 366, and ITC 388 or concurrent enrollment ¹	ITC 466 - Advanced .Net Development with C# ²	3			ITC 295, ITC 366, and ITC 388 or concurrent enrollment ¹
ITC 475 - Advanced Web Development	3			ITC 295, ITC 370, and ITC 388 or concurrent enrollment ¹ / Spring	ITC 475 - Advanced Web Development ²	3			ITC 295, ITC 370, and ITC 388 or concurrent enrollment ¹ / Spring
Complete 9 hours from the following and if not used above:					ITC 494 - Internship in Information Technology and Cybersecurity	1-3			Permission ¹
ITC 362 - Mobile App Development	3			ITC 260 ¹	ITC 495 - Advanced Database Management Systems Concepts ²	3			ITC 295 ¹ / demand
ITC 366 - Introduction to .Net Development with C#	3			ITC 260 ¹	ITC 528 - Database Application Development with Oracle ²	3			ITC 260 & ITC 295 ¹
ITC 370- Introduction to Web Development	3			ITC 260 ¹ / Fall	ITC 535 - Machine Learning	3			Demand ¹
ITC 466 - Advanced.Net Development with C# ³	3			ITC 295, ITC 366; & ITC 388 or concurrent enrollment ¹	ITC 545 - Data Infrastructure for Data Analytics	3			ITC 295 & QBA 237 ¹
ITC 475 - Advanced Web Development ³	3			ITC 295, ITC 370; & ITC 388 or concurrent enrollment/Spring ¹	ITC 555 - Data Visualization	3			QBA 237 ¹
ITC 528 - Database Application Development with Oracle	3			ITC 260 & ITC 295 ¹	ITC 360 - Fundamentals of Cybersecurity ²	3			ITC 330 or concurrent enrollment ¹ / demand
Complete 6 hours from the IT list					ITC 563 - Introduction to Network Security	3			ITC 360 ¹ / demand
Option 2: IT Infrastructure					ITC 564 - Introduction to Ethical Hacking	3			ITC 360 ¹ / demand
Complete 12 hours from the following:					ITC 581- Data Analytics for Business Decision Making	3			Undergraduate business majors must be admitted to degree program ¹
ITC 330 - Introduction to Networking	3			ITC 235 ¹	ITC 583 - Cloud Computing ²	3			Spring ¹
ITC 430 - Advanced Networking	3			ITC 330 ¹ / demand					
ITC 495 - Advanced Database Management Systems Concepts	3			ITC 295 ¹ / demand					
ITC 528 - Database Application Development with Oracle	3			ITC 260 & ITC 295 ¹					
ITC 360 - Fundamentals of Cybersecurity	3			ITC 330 or concurrent enrollment ¹ / demand					
ITC 583 - Cloud Computing	3			Spring ¹					
Complete 6 hours from the IT list									

¹Undergraduate business and undecided majors must be admitted to degree program.

²Cannot be used for both this list and the requirements on the left.

³If not used above from Option 1

Note: A minimum of 12 credit hours not counted as requirements on any other major or minor, and exclusive of problems or readings is required for any COB major.

Cr Rec - Credit hours received for courses completed. Cr Bal - Credit balance needed to fulfill requirements.

Electives, as needed to bring total credit hours to a minimum of 120 and upper division hours (300+) to 40.

For advisement only. Consult appropriate catalog for degree requirements.