

School of Information Technology Anticipated* Course Offerings

*While this information is provided for students to use in planning their studies, it is TENTATIVE and may be subject to change due to enrollment, faculty availability, and other issues.

Course	Fall, 2019	Spr, 2020	Sum, 2020	Fall, 2020	Spr, 2021	Sum, 2021	Fall, 2021
115 Reasoning about Complex Systems							
140 Interacting in a Digital World	✓	✓		✓	✓		✓
150 Using Microcomputer Productivity Tools	✓	✓	✓	✓	✓	✓	✓
164 Introduction to Problem Solving	✓			✓			✓
165 Computer Programming for Scientists		✓			✓		
166 Python Programming for Science and Data Analysis	✓			✓			✓
168 Structured Problem Solving Using the Computer	✓	✓	✓	✓	✓	✓	✓
170 Scripting Languages and Automation	✓	✓		✓	✓		✓
178 Computer Application Programming	✓	✓		✓	✓		✓
179 Introduction to Data Structures	✓	✓	✓	✓	✓	✓	✓
180 C++ Programming				✓	✓		✓
191 Introduction to Information Technology Professional Practice	✓	✓		✓	✓		✓
214 Social, Legal, and Ethical Issues in Information Technology	✓	✓	✓	✓	✓	✓	✓
225 Computer Organization	✓	✓		✓	✓		✓
226 Advanced Practical Application Development	✓	✓		✓	✓		✓
244 Introduction to Business Intelligence	✓			✓			✓
250 Fundamentals of Information Assurance and Security	✓	✓	✓	✓	✓	✓	✓
254 Hardware and Software Concepts	✓	✓	✓	✓	✓	✓	✓
261 Systems Development I	✓	✓	✓	✓	✓	✓	✓
262 Information Technology Project Management	✓	✓		✓	✓		✓
272 COBOL as a Second Language	✓			✓			✓
275 Java as a Second Language	✓	✓		✓	✓		✓
276 Data Communications	✓	✓	✓	✓	✓	✓	✓
279 Algorithms and Data Structures	✓	✓		✓	✓		✓
326 Principles of Software Engineering	✓	✓		✓	✓		✓
327 Concepts of Programming Languages	✓	✓		✓	✓		✓
328 Introduction to the Theory of Computation	✓	✓		✓	✓		✓
330 Introduction to Enterprise Computer Systems	✓			✓			✓

Course	Fall, 2019	Spr, 2020	Sum, 2020	Fall, 2020	Spr, 2021	Sum, 2021	Fall, 2021
340 Introduction to Artificial Intelligence		✓			✓		
341 Object-Oriented System Development							
344 Applied Data Mining	✓			✓			✓
345 Advanced Business Intelligence and Data Warehousing					✓		
351 Applied Cryptography and Trusted Systems	✓	✓	✓	✓	✓	✓	✓
353 Web Development Technologies	✓	✓		✓	✓		✓
354 Advanced Web Application Development		✓			✓		
356 Introduction to Computer Graphics		✓			✓		
357 Tools and Techniques in Information Assurance and Security	✓	✓		✓			✓
358 Mobile and Cloud Computing		✓			✓		
359 Tools and Techniques in Penetration Testing	✓	✓			✓		
360 Security Incident and Event Management and Forensics		✓			✓		
363 Systems Development II		✓			✓		
367 Designing the User Interface		✓			✓		
368A10 ASP.Net							
368A17 Enterprise Resource Planning		✓			✓		
370 Server Management	✓	✓		✓	✓		✓
372 External Data Structures		✓			✓		
373 Wide Area Network Infrastructures	✓			✓			✓
376 Wireless and Mobile Network Security	✓			✓			✓
377 Practical Telecommunications Networking	✓	✓		✓	✓		✓
378 Database Processing	✓	✓	✓	✓	✓	✓	✓
379 Telecommunications Network Operations and Management		✓			✓		
380 Wireless Communication Systems							
381 Network Design and Analysis		✓			✓		
382 Distributed Systems			✓				
383 Principles of Operating Systems	✓	✓		✓	✓		✓
386 Introduction to Networking and Parallel and Distributed Computing					✓		✓
388 Parallel Processing	✓			✓			✓
391 Directed Project in Information Technology	✓	✓		✓	✓		✓
392 Enterprise Systems Integration and Application		✓			✓		

Course	Fall, 2019	Spr, 2020	Sum, 2020	Fall, 2020	Spr, 2021	Sum, 2021	Fall, 2021
Development							
432 Systems Analysis and Design	✓	✓		✓	✓		✓
450 Policy and Administration in Information Assurance and Security	✓			✓			✓
463 Information Technology Project Management	✓	✓		✓	✓		✓
467 Human Factors in Information Systems	✓			✓			✓
468 Software Quality Assurance and Testing		✓			✓		
477 Converged Network Architectures		✓			✓		
478 Advanced Database Management	✓	✓		✓	✓		✓
495 Information Technology Capstone	✓	✓		✓	✓		✓
496 Information Technology Strategy and Policy		✓	✓		✓	✓	
497 Introduction to Research Methodology	✓		✓	✓		✓	✓