Computer and Information Sciences

Major - Information Technology Data Management & Analytics

Catalog Year 2021-2022 and Later

Required Information Technology Courses

41 Units

			Units
_____	COSC 111	Information & Tech for Business	3
_____	COSC 175	General Computer Science	4
_____	CIS 211	Fundamentals of IS & Business	3
_____	COSC 236	Intro to Computer Science I	4
_____	ITEC 231	Fundamentals of Web Technologies	3
_____	ITEC 250	Fundamentals of Computer Networks	3
_____	ITEC 274	Fundamentals of Sys. Management	3
_____	ITEC 315	Data & Information Management	3
_____	ITEC 325	Sys. Admin & Maintenance	3
_____	ITEC 345	Scripting Languages	3
_____	CIS 377	Introduction to Cybersecurity	3
_____	ITEC 411	Sys. Architecture & Integration	3
_____	CIS 435	Human Computer Interaction	3

Required Math Courses

6 Units

			Units
_____	MATH 231	Basic Statistics **OR**	3
_____	ECON 205	Statistics for Business & Economics	3
_____	MATH 263	Discrete Mathematics	3

Required Core Courses

9 Units

			Units
_____	COMM 131	Public Speaking (Core 5)	3
_____	ENGL 317	Writing for Business & Industry (Core 9)	3
_____	COSC 418	Ethical/Societal Concerns CS (Core 14)	3

Required Data Management & Analytics Track Courses

12 Units

			Units
_____	CIS 328	Introduction to Data Analytics	3
_____	CIS 428	Text Analytics	3
_____	CIS 468	Applied Data Mining & Visual Analytics	3
_____	ITEC 451	Advanced Data Management/Analysis	3

Elective ITEC Courses

6 Units

Select 2 of the following:

			Units
_____	ITEC 397	Information Technology Internship	3
_____	ITEC 423	Emerging Internet Technologies	3
_____	ITEC 427	Cloud Computing for Enterprises	3
_____	ITEC 437	Disaster Recovery	3
_____	ITEC 464	Web Development	3
_____	ITEC 470	Special Topics in Information Technology	3
_____	ITEC 485	Information Technology Senior Practicum	3

Total Units: 74-75

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