

# Computer Programming Database Management - Software Engineering Technology Major

## Center for Innovative Technologies Division

2018-2019 Curriculum

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
<b>Semester 1</b>					
ENG-101	English Composition 1		3	0	<b>3</b>
FYE-XXX	First Year Experience Elective		1	0	<b>1</b>
IT-100	Computer Programming Foundations		2	3	<b>3</b>
MAT-XXX	Mathematics Elective		3	0	<b>3</b>
XXX-XXX	Arts/Humanities Elective		3	0	<b>3</b>
					<b>13</b>

<b>Semester 2</b>					
CPDM-210	System Analysis and Design		2	3	<b>3</b>
IT-101	Programming 1		2	3	<b>3</b>
IT-111	Database Design and SQL		2	3	<b>3</b>
XXX-XXX	Software Engineering Technology Elective 1		3	3	<b>4</b>
					<b>13</b>

<b>Semester 3</b>					
IT-102	Programming 2	IT 101	2	3	<b>3</b>
XXX-XXX	Software Engineering Technology Elective 2		3	3	<b>4</b>
XXX-XXX	Technical Concentrative Elective 1		2	3	<b>3</b>
XXX-XXX	Technical Track Elective 1		2	3	<b>3</b>
					<b>13</b>

<b>Semester 4</b>					
XXX-XXX	Experiential Learning Elective 1		1	40	<b>2</b>
XXX-XXX	Technical Concentration Elective 2		2	3	<b>3</b>
					<b>5</b>

<b>Semester 5</b>					
ECO-1XX	Economics Elective		3	0	<b>3</b>
ENG-10X	English Composition Elective		3	0	<b>3</b>
XXX-XXX	Software Engineering Technology Elective 3		3	3	<b>4</b>
XXX-XXX	Technical Concentration Elective 3		2	3	<b>3</b>
XXX-XXX	Technical Track Elective 2		2	3	<b>3</b>
					<b>16</b>

<b>Semester 6</b>					
CPDM-290	Computer Programming & Database Mgmt Capstone		2	3	<b>3</b>
XXX-XXX	Experiential Learning Elective 2		1	40	<b>2</b>
					<b>5</b>

Total **65**

Arts/Humanities Elective: Any Transfer Module course from ART, LIT, MUST, PHI, REL, THE, or COMM 130

Economics Elective: ECO 105, ECO 110

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

Experiential Learning Electives (Choose courses from 1 experiential learning group):

Cooperative Education: CPDM 190, CPDM 291, CPDM 292

Project-Based: CPDM 296, CPDM 297

First Year Experience: FYE 100, FYE 105, FYE 110

Mathematics Elective: MAT 121, MAT 125, MAT 131, MAT 151

Software Engineering Technology Electives: BIO 131, CHE 110, CHE 111, MAT 126, MAT 251, MAT 252, PHY 151, PHY 152

Technical Concentration Electives (Choose 1 concentration):

C Programmer Concentration: SET 151, SET 252, SET 253

Java Programmer Concentration: IT 161, IT 162, IT 262

Web Programmer Concentration: IT 117, IT 118, IT 218

Technical Track Electives (Choose courses from 1 track):

C Programming Track 1: SET 151, SET 252

Computer Networking Track: NETC 121, NETC 122

Database Analytics Track: IT 112, IT 212

IBMi Powersystem Track: CPDM 211, CPDM 212

Java Programming Track: IT 161, IT 162

Mobile Application Track: CPDM 230, CPDM 240

Web Programming Track: IT 117, IT 118