Computer Programming and Database Management (CPDM)

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The Computer Programming and Database Management degree prepares students to design, program, and implement computer software using state-of-the-art programming languages and database technologies.

Graduates of the program earn an Associate of Applied Science degree, and are prepared to use their technical knowledge as skilled computer programmers in varied industries and organizations. Many graduates continue their studies and earn a bachelor's degree.

All of the Computer Programming and Database Management courses are available online, which provides students with flexibility in completing their degree requirements.

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

To apply for this program at Cincinnati State, visit our Admissions Page (http://www.cincinnatistate.edu/academics/admission)

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Semester 1		Lec	Lab	Credits
ENG 101	English Composition 1 (**G**)	3	0	3
IT 110	HTML with CSS and JavaScript (**B**)	2	3	3
FYE 1XX First Year Experience Elective (**B**)		1	0	1
XXX XXX Arts/Humanities Elective (**G**)		3	0	3
IT 100	Computer Programming Foundations (**B**)	2	3	3
Semester 2				
IT 101	.NET Programming 1 (**B**)	2	3	3
IT 111	Database Design and SQL 1 (**B**)	2	3	3
BPA 130	Business Systems Analysis and Design (**B**)	2	3	3
MAT XXX Mathematics Elective (**G**)		2	2	3
Semester 3				
CPDM 151	ASP.NET C# 1 (**T**)	2	3	3
IT 102	.NET Programming 2 (**T**)	2	3	3
IT 112	Database Design and SQL 2 (**T**)	2	3	3
CPDM 190	Cooperative Education Preparation: Computer Programming and Database Management (**B**)	1	0	1
ECO 1XX Economics Elective (**G**)		3	0	3
Semester 4				
IT 140	PHP and MySQL (**T**)	3	3	4
CPDM 291	Full-Time Cooperative Education 1: Computer Programming and Database Management (**T**)	1	40	2
Semester 5				
CPDM 152	ASP.NET C# 2 (**T**)	2	3	3
IT 220	Emerging Topics in Computer Software Development (**T**)	2	3	3
IT 161	Java Programming 1 (**T**)	2	3	3
ENG 10X English Composition Elective (**G**)		3	0	3
Semester 6				
CPDM 290	Computer Programming and Database Management Capstone Design Project (**T**)	3	3	4
CPDM 292	Full-Time Cooperative Education 2: Computer Programming and Database Management (**T**)	1	40	2
Total Credits:		**46**	**121**	**62**

Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

Arts/Humanities Elective

Any Transfer Module course from ART, LIT, MUS, PHI, REL, THE, or COMM 130	3

Mathematics Elective

MAT 121	Technical Algebra and Geometry with Statistics	3
MAT 125	Algebra and Trigonometry	4
MAT 131	Statistics 1 [*]	3
MAT 151	College Algebra	4

Economics Elective

ECO 105	Principles of Microeconomics	3
ECO 110	Principles of Macroeconomics	3

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

*   Offered Online

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Faculty
Program Chair/Advisor

Professor Robert Nields, MBA
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Co-op Coordinator

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