

Cincinnati State Technical and Community College

Computer Programming --Software Engineering Technologies

AAS

REQUIRED COURSES:	Semester Hours
Semester One	
ENG 101 English Composition 1	3
MAT XXX Math Elective	3
IT 100 Foundations of Software Development	3
FYE 100 College Survival Skills	1
XXX XXX Arts/Humanities Elective	3

Semester Two	
IT 101 .NET Programming 1	3
IT 111 Database Design and SQL	3
CPDM XXX Intro to Computer Science	4
CPDM 210 System Analysis and Design	3

Semester Three	
IT 102 .NET Programming 2	3
EET 101 Electronic Fundamentals 1	3
IT 117 Web Application Programming 1	3
MAT 251 Calculus 1	5
CPDM 230 Mobile Applications 1	3

Semester Four	
CPDM- XXX Full-time Cooperative Education 1	2
IT 118 Web Application Programming 2	3

Semester Five	
PHY 151 Physics 1 Algebra and Trig Based	3
IT 218 Web Application Programming 3	3
CPDM 240 Mobile Applications 2	3
ECO XXX Economics Elective	3
ENG 104 Technical Communications	3

Semester Six	
CPDM-XXX Full-time Cooperative Education 2	2
CPDM-290 CDPM Capstone	3

PATHWAY TAB INFORMATION		
Course Name	Postsecondary Institution	Credit Type
IT100 Foundation Software Development	Cincinnati State Technical and Community College	CTAG 3 hours
IT 101. NET Programming 1	Cincinnati State Technical and Community College	CTAG 3 hours

ELECTIVES - Choose One Concentration Track and One Elective Track (15 credits combined)**TECHNICAL CONCENTRATION TRACK- 9 CREDIT HOURS****C Programmer Concentration**

SET 151 C Programming	3
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SET 252 C++ Programming	3
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SET 253 C# Programming	3
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JAVA Programming Concentration

IT 161 Java Programming 1	3
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IT 162 Java Programming 2	3
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IT 262 Java Programming 3	3
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Web Programming Concentration

IT 117 Web Application Programming 1	3
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IT 118 Web Application Programming 2	3
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IT 218 Web Application Programming 3	3
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ELECTIVE TECHNICAL TRACKS - 6 CREDIT HOURS**JAVA Programming TRACK**

IT 161 Java Programming 1	3
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IT 162 Java Programming 2	3
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C++ Programming Track

SET 151 C Programming	3
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SET 252 C Programming 2	3
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C# .NET Programming Track

SET 253 C# Programming 1	3
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SET 254 C# Programming 2	3
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Mobile Application Track

CPDM 230 Mobile Applications 1	3
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CTDM 240 Mobile Applications 2	3
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Computer Networking Track

NETC 121 Network Communications 1	3
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NETC 122 Network Communications 2	3
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WEB Programming Track

IT 117 Web Application Development 1	3
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IT 118 Web Application Development 2	3
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REQUIRED EXPERIENTIAL TRACK - 4 CREDIT HOURS**COMPANY-BASED CO-OP**

CPDM 190	1
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CPDM 251	2
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CPDM 252	2
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PROJECT-BASED LEARNING

CPDM 296	2
CPDM 297	2

