

Software Engineering Technology (SET)

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The Software Engineering Technology degree program focuses on the design, development, implementation, and maintenance of software used in industry. Along with core math and science classes, students gain knowledge of computer operating systems and software development using various programming languages.

Graduates earn an Associate of Applied Science degree and are prepared to enter the workforce as skilled computer programmers and systems integrators, or to continue their education in a bachelor's degree program in engineering, engineering technology, or computer science.

Although some required courses are available through evening and/or online classes, most of the Software Engineering Technology degree requirements are scheduled on Monday through Friday between 8 a.m. and 5 p.m.

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.cincinnati-state.edu/academics/admission>)

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Semester 1		Lec	Lab	Credits
IT 101	.NET Programming 1 (B)	2	3	3
IT 111	Database Design and SQL 1 (B)	2	3	3
FYE 1XX	First Year Experience Elective (B)	1	0	1
SET 110	HTML for Programmers (B)	2	3	3
MAT 126	Functions and Calculus (G)	3	2	4
ENG 101	English Composition 1 (G)	3	0	3
Semester 2				
SET 151	C Programming 1 (B)	2	3	3
IT 112	Database Design and SQL 2 (T)	2	3	3
IT 102	.NET Programming 2 (T)	2	3	3
ENG 10X	English Composition Elective (G)	3	0	3
CIT 190	Career Preparation: Engineering and Information Technologies (B)	1	0	1
Semester 3				
SET 291	Full-Time Cooperative Education 1: Software Engineering Technology (T)	1	40	2
Semester 4				
IT 103	.NET Programming 3 (T)	2	3	3
IT 161	Java Programming 1 (T)	2	3	3

SET 252	C Programming 2 (T)	2	3	3
PHY 151	Physics 1: Algebra and Trigonometry-Based (G)	3	3	4
COMM 1XX	Communication Elective (B)	3	0	3
Semester 5				
EET 101	Electronic Fundamentals 1 (T)	2	3	3
SET 253	C Programming 3 (T)	2	3	3
SET 290	Software Engineering Technology Capstone (T)	1	4	3
ECO 1XX	Economics Elective (G)	3	0	3
Semester 6				
SET 292	Full-Time Cooperative Education 2: Software Engineering Technology (T)	1	40	2
Total Credits:		45	122	62

Electives

First Year Experience Elective

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

Communication Elective

COMM 105	Interpersonal Communication	3
COMM 110	Public Speaking	3

Economics Elective

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

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

Professor Noelle Grome, ME, MA

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