SOFTWARE DEVELOPMENT - MINOR

College of Applied and Technical Studies
www.kent.edu/cats

About This Program

The Software Development minor is designed to complement a wide range of majors. The curriculum focuses on visual basic, scripting and programming mobile devices. Electives provide flexibility to tailor the minor to each student's interests and career goals. For example, a student might choose a different programming language or a more in-depth course in scripting, visual basic or data design.

Contact Information

- College of Applied and Technical Studies: cats@kent.edu | 330-672-2864
- Speak with an Advisor
  - Ashtabula Campus
  - East Liverpool Campus
  - Geauga Campus
  - Salem Campus
  - Stark Campus
  - Trumbull Campus
  - Tuscarawas Campus
  - Online (any campus above)

Program Delivery

- **Delivery:**
  - Fully online
  - In person
- **Location:**
  - Ashtabula Campus
  - East Liverpool Campus
  - Geauga Campus
  - Kent Campus
  - Salem Campus
  - Stark Campus
  - Trumbull Campus
  - Tuscarawas Campus

Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Requirements

Minor Requirements

Code	Title	Credit Hours
Minor Requirements		
IT 21005	VISUAL BASIC DATABASE PROGRAMMING	4
IT 21036	WEB SCRIPTING I	3
IT 36309	PROGRAMMING MOBILE APPLICATIONS	3
IT 46308	ADVANCED VISUAL BASIC PROGRAMMING	3
Information Technology Electives, choose from the following: [1]		6
IT 20001	C++ PROGRAMMING	
IT 20011	JAVA PROGRAMMING	
IT 36302	ADVANCED C# PROGRAMMING	
IT 36308	ERGONOMICS IN COMPUTER SYSTEMS	
IT 36336	WEB SCRIPTING II	
IT 46309	ASP.NET WEB PROGRAMMING	
IT 46315	SQL WITH ORACLE	
IT 46321	WEB DATABASE INTEGRATION	
IT 46340	DATA DESIGN AND IMPLEMENTATION	
Minimum Total Credit Hours:		**19**

[1] Minimum 3 credit hours of electives must be upper-division.

Graduation Requirements

Minimum Minor GPA	Minimum Overall GPA
2.000	2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).