COMPUTER PROGRAMMING

SOUTHWESTERN COLLEGE

PROFESSIONAL STUDIES

Bachelor of Science in Computer Programming

Gain expertise in designing and developing applications utilizing object-oriented, Web and database technologies.

+ Credit Awarded From
- Prior College
- Military
- Work/Life Experience
- Exams (CLEP, DANTES)

+ Flexibility
Six-week Online classes

+ Dynamic Coding
Program VB, Java & design databases

About Southwestern College

Southwestern College Professional Studies specializes in educating busy working adults, members of the military and individuals looking for a flexible way to earn a degree.

Established in 1885, we are a private, not-for-profit college affiliated with the United Methodist Church. SC is regionally accredited by the Higher Learning Commission.

Contact Us Today

ps.sckans.edu | enrollment@sckans.edu
316.684.5335 | 888.684.5335

Step Up. Opportunity Awaits.

Bachelor of Science in Computer Programming Technology

Core Major Requirements

- CPT322   SQL Fundamentals
- CPT321   VBA, The Internet and Microsoft Office Applications
- CPT421   Java Programming Principles I
- CPT422   Hypertext Markup Language Programming Techniques
- CPT423   Project: Designing and Programming an Application
- CPT431   Java Programming Principles 2
- CPT432   Visual Basic.Net Programming Essentials 1
- CPT433   Visual Basic.Net Programming Essentials 2
- COT220   Microsoft Access
- CPT497   Senior Capstone

Foundation Requirements

- CORE 101   Developing Academic & Professional Strengths
- CORE 110   Information Literacy
- ENGL 101   Composition I
- ENGL 102   Composition II
- COM 125   Speech
- HUM 201   Ethics
- COM 301   Professional Communication
- Mathematics Requirement*

MASC110 Statistics & Probability, or MASC115 College Algebra, or more advanced college credit bearing mathematics course requiring college Allegra or higher as a prerequisite

Disciplinary Perspective Requirements

- Humanities (6 credits)
- Natural Sciences/Mathematics (4 credits)
- Social Sciences (6 credits)

Graduation Requirements

1. Complete all foundation and major courses with an overall GPA of 2.0
2. Complete a minimum of 124 credit hours, with at least 60 hours at a bachelor's degree-granting institution
3. Complete at least 30 credit hours with a C average or above from Southwestern College

Program Description

Computer Programming Technology provides professional study of computer programming software and techniques. Students are taught necessary skills to research, document, and develop program applications within the object-oriented programming environments. The complete dynamic software development life cycle – from developing initial algorithms, pseudo-code, graphical user interfaces, documenting code, coding and testing, to maintaining designed applications – is stressed. Applications are developed using HTML and XHTML, Visual Basic, and Java. Database design is extended through the integration of the Structural Query Language (SQL) and Visual Basic for Application (VBA) programming language. Study is further directed toward developing critical thinking, problem-solving, and communication skills required in order to provide ethical solutions in business, education and industry.

Admission Requirements

1. Have completed a minimum of 6 post-high school college credits
2. Minimum GPA of 2.0

All degree requirements are subject to change. Please see Southwestern College Professional Studies Catalog for the most current degree requirements. All course descriptions can be found online at ps.sckans.edu.