



SOUTHWESTERN
COLLEGE

PROFESSIONAL STUDIES

COMPUTER PROGRAMMING

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

- COT 220 Microsoft Access
- CPT 432 Visual Basic.Net Programming I
- CPT 433 Visual Basic.Net Programming II
- CPT 322 SQL Fundamentals
- CPT 323 VBA, Internet & Microsoft Office Applications
- CPT 421 Java Programming Principles I
- CPT 431 Java Programming Principles II
- CPT 422 Hypertext Markup Language Programming Techniques
- CPT 423 Project: Designing & Programming a Application
- CAPS 495 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 Algebra 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. Learners 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.