

WESTERN ILLINOIS UNIVERSITY
Computer Science, Information Systems, or Network Technologies
Associate in Science Degree
2014-15 WIU catalog

TWO OPTIONS AVAILABLE IN THE COMPUTER SCIENCE MAJOR: 1) Traditional Option 2) Business Option
 The following is a list of courses that satisfy the **Associate in Science Degree** requirements here at Sauk Valley Community College as well as the requirements for Computer Science, Information Systems, or Network Technologies at Western Illinois University. Students transferring without the AA or AS Degree may need to complete different general education courses.

***GENERAL EDUCATION CORE CURRICULUM – Minimum 37-38 CREDITS**

***COMMUNICATIONS** **9 CREDITS**
 #ENG 101, #ENG 103, SPE 131 #A grade of "C" or better is required.

***MATHEMATICS** **6-9 CREDITS**
 Computer Science: Traditional Option: MAT 203, 230 (Statistics at WIU);
 Business Option: MAT 221, 230 (Statistics at WIU)
 Information Systems: MAT 221 or 203, MAT 240
 Networking: MAT 221, MAT 230, MAT 240

***HUMANITIES AND FINE ARTS** **9 CREDITS**
PHL 101 Recommended
 Select at least one course from *Humanities* and one course from *Fine Arts*.
 Only one course with the same letter subscript can be used for Humanities/Fine Arts credit.

Humanities

LAN 262; ENG 160, 201, 203, 204, 212, 215A, 225, 226, 227, 228, 230A;
 PHL 101, 102, 103; PHL 104; HUM 150, 210

Fine Arts

ART 118, 119, ART 120, 121B, 122B; MUS 150, MUS 201; SPE 141; HUM 112;
 HUM 150, 210

***SOCIAL AND BEHAVIORAL SCIENCES** **9 CREDITS**

Select 3 courses from at least two disciplines. **For Network Technologies, GOV 163 required**
For CS Business Option and Information Systems: ECO 211 and ECO 212 required

Anthropology

SOC 115, 116

Human Geography

GEO 122

Psychology

PSY 103, 200, 214, 215

Economics

ECO 211, 212

Political Science

GOV 163, 164, 232c, 233c, 261

Sociology

SOC 111, 112, 251

History

HIS 131, 132, 221, 222

***LIFE AND PHYSICAL SCIENCES** **7-8 CREDITS**

Select one course from Life Sciences and one course from Physical Sciences.

One lab course is required (lab courses are in **bold type**).

Life Sciences

BIO **103**, 104, **105**

Physical Sciences

CHE 102, **103**, **105**; GSC 105, 106, 115; PHY **175**, 201, **211**

SVCC DEGREE REQUIREMENTS – 4 CREDITS

ORIENTATION **1 CREDIT**
 FYE 101 (PSY 100 will be accepted if already completed)

PERSONAL HEALTH AND DEVELOPMENT **3 CREDITS**
 CIS 109 recommended

Major Field Requirements 19-23 credits:

ALL THREE OPTIONS: **CIS 150, CIS 207, CIS 208 (all three at SVCC recommended; CIS 150 not required, but it is pre-requisite for CIS 207)

*****Recommended Program Electives (Choose ONE for Traditional CS option and Info Systems, and TWO for Business CS option and Network Technologies): **CIS 150, 210, 214; MAT 150**
Courses in a required minor: ACC 101, ACC 102 (CS Business Option and Information Systems only)
64 TOTAL CREDITS

**SVCC Prerequisite course

*****IMPORTANT INFORMATION ON THE BACKSIDE!**

Western Illinois University – Computer Science Program

The Bachelor of Science in Computer Science offers two options of courses designed to meet the career paths of its students (Traditional or Business).

***Program Electives

The Computer Science major has a total of 6-9 hours of approved major electives (6 hours in the Business option, 9 hours in the Traditional option). **CIS 150 is a prerequisite course for most programming courses at SVCC and fulfills a CIS elective requirement at WIU for both options.

Traditional Option: It is advised that students complete Linear Algebra at WIU.

A Minor Area of Study is required for the Computer Science, Network Technologies, and Information Systems majors. You are highly encouraged to incorporate courses that would go towards a minor in your academic plan.

- **The Traditional Computer Science track, and the Network Technologies degree both allow for any minor. The Business Computer Science track, and Information Systems, both call for a Business minor: This minor must be in a business discipline (i.e. accountancy, management, finance, marketing, etc.)**
- **Business minor course options as SVCC: (for Computer Science Business and Information Systems) ACC 101, ACC 102, ECO 211, ECO 212, MAT 240 (required for Info Systems already)**

Important Notes:

Due to the sequencing of required core computer science courses, students transferring with an Associate Degree that includes all listed CIS and mathematics courses on the front side of this sheet by selected option should plan at *minimum 2 years (4 semesters)* at WIU to complete this Bachelor's Degree. Students who choose to transfer with the degree but not all suggested CIS/MAT courses listed under selected option should anticipate additional semester(s) to complete this degree at WIU. Students may also choose to transfer to WIU upon completion of the General Education Core Curriculum (*37-38 credits) to begin the computer science sequence in their sophomore year at WIU.

For Further Information Contact:

Ms. Anna James

WIU - College of Business and Technology

(309) 298-1619

E-mail: AL-James@wiu.edu

STUDENTS ARE RESPONSIBLE FOR FINAL COURSE ARTICULATION.