Northern Illinois University
Computer Science (Effective NIU's 2023-2024 catalog)

NIU offers three emphases for undergraduate Computer Science Majors: Software Development, Enterprise Software, and Computational Software. Coursework includes instruction in various programming languages, software engineering, security, databases, development environments, and operating systems.

All three emphases provide the skills needed to become a software developer.
- **Software Development**: the minimum requirements for the major
- **Enterprise Software**: adds three Business classes, which overlap with requirements in some Business Minors, or provide the launching pad into an MBA degree program. Recommended for students with interests in pursuing management responsibilities on software development teams, or looking into tech-startups.
- **Computational Software**: adds substantially more MATH/STAT coursework. Enough to complete an Applied Mathematics Minor by satisfying the requirements of this emphasis. Recommended for students interested in theoretical applications of computer science, graduate school, research, or Actuarial Sciences.

The following is a list of courses that should be taken as a part of your Associate in Arts or Associate of Science Degree requirements at Sauk Valley Community College.

NIU Courses	SVCC Equivalents	AA/AS Degree Requirement
CSCI 240	CIS 207	Elective
CSCI 241	CIS 208	Elective
MATH 206	MAT 230	Mathematics
MATH 211 **or** MATH 229 & 230 (Except Computational Software emphasis)	MAT 221 **or** MAT 203 & 204 (Except Computational Software emphasis)	Mathematics
MATH 229 & 230 & 232 (Computational Software emphasis)	MAT 203 & 204 & 205 (Computational Software emphasis)	Mathematics
PHYS 253 (Computational Software emphasis only)	PHY 211 (Computational Software emphasis only)	Physical Science

The courses listed above **only** include the specific requirements for Computer Science at Northern Illinois University. Additional classes will need to be taken to complete the Associate in Arts Degree or Associate of Science Degree and have all of your general education requirements met upon transfer at NIU.

Please meet with your academic advisor regularly to ensure that you are on track to fulfilling all SVCC degree requirements and also refer to the SVCC catalog for specific information on the requirements for an Associate in Arts or Associate of Science Degree.