



# NIU Computer Science at The University Center

We're thrilled that you've decided to pursue your education at a place close to home. Through our program at The University Center at Harper College, you'll earn a Bachelor of Science degree in computer science while gaining knowledge and developing your skills through classes taught by faculty who know the field. Our program provides instruction in various languages (e.g., C++, Java, IBM Assembler, PHP, JavaScript, C# and Perl), software engineering, security, database and development environments such as .NET and operating systems.

This degree will prepare you for software development careers in virtually any industry. Job prospects increase if you have experience with a variety of programming languages or have gained experience through internships.

You have plans for the future. We'll help you get there.

## Let's get started...

- Schedule a meeting with the University Center to learn more about the program and to discuss requirements.
- Stop by and visit Brenda Powell, NIU transfer counselor, on Mondays to get answers regarding applying to NIU. Schedule an appointment by going to [go.niu.edu/Harper-appointments](https://go.niu.edu/Harper-appointments).
- Apply to NIU as a transfer student (select the option off campus) and submit your transcripts.
- Setup your MyNIU account to stay updated on your application status.
- Accept your admission through your MyNIU account to confirm your spot.
- Apply for financial aid by completing the FAFSA.
- Contact NIU advisors for guidance prior to registering for classes.

## Advisor Contacts

**Harper College  
University Center**  
847-925-6315  
[universitycenter@harpercollege.edu](mailto:universitycenter@harpercollege.edu)

**Major Advisor**  
*(Advising done by phone  
or email.)*  
Daniel Rogness  
815-753-0378  
[drogness1@niu.edu](mailto:drogness1@niu.edu)

Your NIU advisor will work with you to plan your course schedules for a timely graduation. It is highly recommended that you schedule an appointment with your computer science advisor once a semester to discuss your degree progress and select courses for the upcoming semester.



Northern Illinois  
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Harper College



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## Degree Pathway — Software Development

\* Denotes required pre-requisite courses.

### Year 1

#### Fall

ENG 101 English Composition I  
SPE 101 Speech Communication  
MTH 103 College Algebra  
Social and Behavioral Sciences

#### Spring

ENG 102 English Composition II  
\* MTH 220 Discrete Mathematics  
Physical and Life Sciences  
Humanities and Fine Arts

### Year 2

#### Fall

\* CSC 121 Computer Science I  
\* MTH 134 Calculus for Social Scientists  
Social and Behavioral Sciences  
Physical and Life Sciences  
Major Discipline and Transfer Elective

#### Spring

\* CSC 122 Computer Science II  
Humanities and Fine Arts  
Additional science course  
Major Discipline and Transfer elective(s)

### Year 3

#### Fall

CSCI 330 UNIX and Network Programming  
CSCI 340 Data Structures and Algorithm Analysis  
Human Diversity Requirement course  
(if needed) or elective  
STAT 200 Elementary Statistics

#### Spring

CSCI 360 Computer Programming  
in Assembler Language  
CSCI 466 Databases  
Elective  
Elective

### Year 4

#### Fall

CSCI 463 Computer Architecture and  
Systems Organization  
CSCI 467 Introduction to Software Engineering  
CSCI 465 Enterprise Application Environments

#### Spring

CSCI 480 Principles of Operating Systems  
CSCI 300+ elective  
CSCI 390+ elective  
Elective

#### NIU Bachelor of Science Requirements

Candidates for the Bachelor of Science degree must demonstrate competence in laboratory science/mathematical/computational skills. This requirement can be met by completing a four semester sequence listed in the undergraduate catalog with a 2.0 GPA. If you are seeking a B.S. degree, see an advisor to determine which sequence to complete and which additional courses may be required for your major.

#### Graduation Requirements

NIU requires a total of 120 credit hours to graduate, with 54 hours required at the university level. A minimum of 40 hours must be in courses at the 300 and/or 400 level. More information is available at [go.niu.edu/graduation-requirements](http://go.niu.edu/graduation-requirements).



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