Computer Science Comprehensive

Students majoring in the Computer Science Comprehensive program at the University of Nebraska at Kearney learn to use computer science with advanced mathematics to develop innovative software solutions. The CSIT department is the right place for students who want to personalize their educational experience. Students in CSIT can implement their own student-led projects in many classes, under the direction of experienced faculty members.

General electives students have the opportunity to compete in regional competitions such as hacking, programming, and robotics. In the past five years, UNK has taken first place in both regional hacking and robotics competitions.

Studying computer science is great training for a variety of careers. After graduating, you will qualify for positions as a:

- Information security engineer
- Database or network administrator
- Information technology consultant
- Computer hardware architect
- Computer programmer
- Software engineer
- Application developer
- Web developer

Student Profile

“I decided to major in computer science because I had a strong math background from high school and I wanted to be able to apply my knowledge of math in a different way. I felt like choosing computer science was the best way to do this,” said Stephanie Slayden is a senior from Emporia, Kansas double-majoring in computer science comprehensive and mathematics comprehensive.

“The first time I visited UNK, I met with multiple professors in the Computer Science department. I got to visit some of the labs and the professors explained to me the projects that some of the current students were working on. I thought that the UNK CSIT department was very welcoming and that it was a place where I could succeed,” she said.

“I really like that I have my classes with the same group of students since our intro class. This has been helpful because many of us work together with labs, homework assignments, and concepts in class,” Slayden said.

“I have definitely learned to take advantage of my professor’s office hours. This also helps you build relationships with the faculty in your department,” she said.

After graduation Slayden plans to apply to a computer science graduate program and continue her education.

According to Indeed.com, the best job for 2017 is a Full-Stack Developer. In fact, 7 of the top 10 jobs are CSIT-related.
**ALUMNI PROFILE**

**ALUMNI PROFILE**

*When I came to UNK, I was unsure what I wanted to do. When I took my first computer science course as part of my general studies requirements I knew I had found my new major. The faculty and staff of the CSIT department taught me everything I needed to know to be a successful programmer and provided me the professional networking that helped me start my career before I even graduated.*

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**Computer Science Comprehensive: Bachelor of Science**

**FOUR YEAR CLASS SCHEDULE**

The schedule is a guideline for progress toward a degree. Consult with your academic advisor.

<table>
<thead>
<tr>
<th>Semester 1 (15 credits)</th>
<th>Semester 2 (17 credits)</th>
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<tbody>
<tr>
<td>CSIS 130GS Intro to Computer Math 115 Calculus I English 101 Expository Writing Portal 188 of your choice</td>
<td>CSIS 150 00 Programming CSIS 180 Discrete Structures Math 202 Calculus II English 102 Expository Writing Natural Science elective</td>
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<tr>
<th>Semester 3 (15 credits)</th>
<th>Semester 4 (15 credits)</th>
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<tr>
<td>CSIS 330 DS &amp; Algs CSIT 425 Database Systems STAT 241 Elementary Stats Speech 100 Fundamentals of Speech Natural Science Lab elective</td>
<td>CSIS 441 Artificial Intelligence CSIS 301 CS Computer Organization Math 440 Linear Alg Democracy elective Humanities elective</td>
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<th>Semester 5 (15 credits)</th>
<th>Semester 6 (15 credits)</th>
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<tr>
<th>Semester 7 (15 credits)</th>
<th>Semester 8 (13 credits)</th>
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<tbody>
<tr>
<td>CSIS 402 Finite Automata CSIS 496 CS Seminar Capstone 388 of choice Soc Science elective General studies elective</td>
<td>CSIS 408 Programming Languages CSIS Elective CSIS, Math, Stat, Phy elective General elective</td>
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**Association for Computing Machinery**

*(An organization for CSIT majors)*

**Activities at the local level**
- Guest speakers invited to campus
- Sponsor of Disinfection Day
- Tours of business IT departments and data centers

**...and at the national level**
- Yearly conference
- Journal, magazine and newsletter publications provided to enrich a student’s education

**Personal traits for CSIT success:**
- Solves problems
- Thinks at multiple levels
- Adapts to new technology
- Works professionally
- Collaborates
- Perseveres
- Communicates clearly (oral/written)

**Scholarships available:**

**Freshman scholarship**
- The Buckle scholarship

**Continuing student scholarships**
- Northwestern scholarship
- Buckle Continuing scholarship
- Association for Computing Machinery scholarship

**Reasons to choose CSIT at UNK:**
- 100% job placement for dedicated students
- Extensive partnerships with businesses
- Low instructor/student ratio
- Hands-on practical experience
- Mobile application, gaming and robotics development
- One-on-one attention from award winning professors
- Professional certification and online education opportunities
- High rate of acceptance into grad schools

**For more information, contact:**
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