Chase Florom, a 2014 Lincoln Southwest High School graduate, became interested in technology at a young age, and his goal is to someday own his own software company. “I want to be part of the process of inventing new things to make the world a better place,” he said.

Florem is a recipient of the Buckle Excellence Scholarship, a two-year scholarship of $6,000 that is awarded to students interested in careers related to computer science or information technology.

“Chase stood out for his dedication to learning as much as he can for computing, and his ability to articulate how he likes to express his creativity using the software he writes,” said Sherri Harms, chair of UNK’s Department of Computer Science and Information Technology.

Students majoring in the Applied Computer Science program at the University of Nebraska at Kearney are prepared to make useful, meaningful contributions to the world. Students work collaboratively as they creatively design, develop, and implement software solutions, such as mobile apps, games and robotics solutions. Students gain real-world experience by completing hand-on projects and gain a strong theoretical foundation that prepares them for successful careers.

The curriculum is continually updated to keep pace with changing industry needs and practices so students graduate with skills that are in demand in today’s job market. The Applied Computer Science program is designed primarily for students who want to seek employment after graduation rather than pursuing graduate school. A minor or second major is required.

Computer science job openings were projected to increase by an average of 23% from 2010-2020. Bureau of Labor Statistics

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

- Programmer
- Server administrator
- Systems analyst
- Web designer
- Database administrator
- Network administrator

Some of our graduates have gone on to:

- The Buckle
- Xpanxion
- Sandhills Publishing
- Cabela’s
- Mutual of Omaha
- Intel
- PayPal
- Microsoft
- Fiserv

Ben Wagner, a sophomore from Columbus, applied computer science major, is expected to graduate 2017.
COMPUTER SCIENCE AND INFORMATION SYSTEMS
Applied Computer Science 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 (15 credits)</th>
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<tbody>
<tr>
<td>CSIS 130GS Intro to Computer</td>
<td>CSIS 150 00 Programming</td>
</tr>
<tr>
<td>Math 115 Calculus I</td>
<td>CSIS 180 Discrete Structures</td>
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<tr>
<td>English 101 Expository Writing</td>
<td>English 102 Expository Writing</td>
</tr>
<tr>
<td>Portal 188 of your choice</td>
<td>Natural Science elective</td>
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<td>Minor course elective</td>
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<table>
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<tr>
<th>Semester 3 (16 credits)</th>
<th>Semester 4 (15 credits)</th>
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<tbody>
<tr>
<td>CSIS 330 DS &amp; Algs</td>
<td>CSIS 441 Artificial Intelligence</td>
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<tr>
<td>Stat 241, 345, or 441</td>
<td>CSIS 301 CS Computer Organization</td>
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<tr>
<td>Natural Science Lab elective</td>
<td>Humanities elective</td>
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<tr>
<td>Speech 100 Fundamentals of Speech</td>
<td>Democracy elective</td>
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<td>Minor course requirement</td>
<td>Minor course elective</td>
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<table>
<thead>
<tr>
<th>Semester 5 (15 credits)</th>
<th>Semester 6 (15 credits)</th>
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<tbody>
<tr>
<td>CSIS 401 Operating Systems</td>
<td>CSIS 404 Software Engineering</td>
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<td>CSIS elective</td>
<td>CSIS elective</td>
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<tr>
<td>Aesthetics elective</td>
<td>Humanities elective</td>
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<td>Social Science elective</td>
<td>Minor course elective</td>
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<td>Minor course elective</td>
<td>Minor course elective</td>
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<table>
<thead>
<tr>
<th>Semester 7 (15 credits)</th>
<th>Semester 8 (14 credits)</th>
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<tbody>
<tr>
<td>CSIS 402 Finite Automata</td>
<td>CSIS 408 Programming languages</td>
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<tr>
<td>CSIS 496 CS Seminar</td>
<td>General elective</td>
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<tr>
<td>Capstone 388 of choice</td>
<td>General elective</td>
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<tr>
<td>Social Science elective</td>
<td>General elective</td>
</tr>
<tr>
<td>Minor course elective</td>
<td>Minor course elective</td>
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</tbody>
</table>

The thing that I like most about the CSIT department is that there are so many wonderful people in it, and that they are very helpful and encouraging. It always amazes me to see all of the great research people do and the cool ways that they use all sorts of different technology.

Rachel Feddersen, Applied Computer Science student

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 hosted
- 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

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:
Sherri Harms, Department Chair
Computer Science & Information Technology
Otto Olsen Hall, Room 116
2508 12th Avenue
Kearney, NE 68849
Contact: harmssk@unk.edu or 308.865.8370

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