## GENERAL EDUCATION AND COLLEGE REQUIREMENTS

Courses designated as Core I, II, III, IV, or V are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list, including at least one upper-division Gen. Ed. course outside of the student’s major. Courses graded P/NP will not apply.

A grade of C or better is required in each course in the curriculum, including all prerequisite courses.

### UNIVERSITY-WIDE GENERAL EDUCATION (MINIMUM 40 HOURS) AND COLLEGE REQUIREMENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Principles of English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Principles of English Composition</td>
<td>3</td>
</tr>
<tr>
<td>or EXPO 1213</td>
<td>Expository Writing</td>
<td></td>
</tr>
<tr>
<td>ENGR 1113</td>
<td>Differential and Integral Calculus I (Core I)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 1483</td>
<td>Western Culture</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 1493</td>
<td>United States to the Present</td>
<td></td>
</tr>
<tr>
<td>PSC 1113</td>
<td>American Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 1483</td>
<td>United States to 1865</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 1493</td>
<td>United States, 1865 to the Present</td>
<td></td>
</tr>
<tr>
<td>Choose one course (excluding HIST 1483 and HIST 1493)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGR 1113</td>
<td>American Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGR 1113</td>
<td>American Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course</td>
<td></td>
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</tbody>
</table>

**Total Credit Hours:** 38-48

1. MATH 1823, MATH 2423, and MATH 2433 sequence can be substituted for MATH 1914 and MATH 2924.
2. Major support requirements that also satisfy University General Education requirements.
3. Courses taken to fulfill the Natural Science requirement must be chosen from the University-Wide General Education Approved Course List (Core II). At least one of the Natural Science courses must be a non-Physics course. All science courses must be for science or engineering majors and come from the natural science elective list maintained by the department.
4. To be chosen from the University-Wide General Education Approved Course List. Three of these hours must be upper-division (3000-4000).

### FREE ELECTIVES

Electives to bring total applicable hours to the minimum total required for the degree including a minimum of 40 upper-division hours.

### UNIVERSITY-WIDE GENERAL EDUCATION Approved Course List

This requirement can be met by two years of the same language in high school: 0-10

Beginning Course (0-5 hours)

Beginning Course, continued (0-5 hours)

Mathematics (minimum 3 hours)

Core Area I: Symbolic and Oral Communication

English Composition

- ENGL 1113: Principles of English Composition
- ENGL 1213: Principles of English Composition
- EXPO 1213: Expository Writing

Languages (0-10 hours in the same language)

This requirement can be met by two years of the same language in high school: 0-10

Beginning Course (0-5 hours)

Beginning Course, continued (0-5 hours)

Core Area II: Natural Science (minimum 7 hours, including one laboratory)

- MATH 1914: Introduction to Calculus

Core Area III: Social Science

- PSC 1113: American Federal Government

Core Area IV: Arts & Humanities

Artistic Forms

- Choose one course

Western Culture

- HIST 1483: United States to 1865
- HIST 1493: United States, 1865 to the Present

Core Area V: First-Year Experience

- Choose one course

Total Credit Hours: 38-48

1. Engineering transfer students may take ENGR 3511 in place of ENGR 1411.

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## MAJOR REQUIREMENTS

### MAJOR SUPPORT REQUIREMENTS

**Math**

- MATH 2924: Differential and Integral Calculus II
- MATH 3333: Linear Algebra I

Choose one of the following:

- ECE 2523: Probability, Statistics and Random Processes
- ISE 3293: Applied Engineering Statistics
- MATH 4743: Introduction to Mathematical Statistics
- MATH 4753: Applied Statistical Methods

Choose 9 credits of approved technical electives from a list maintained by the department.

**Additional College Requirements**

- ENGR 1411: Pathways to Engineering Thinking
- ENGR 2002: Professional Responsibilities and Skills of Engineers and Scientists

**Total Credit Hours:** 22

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This program has changes pending state regents approval for 2024/25. These pending changes are not reflected here.

Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission of ABET, https://www.abet.org, under the General Criteria and the Computer Science and Similarly Named Computing Programs Program Criteria.

In order to progress in your curriculum in the Gallogly College of Engineering, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum, including all prerequisite courses.
**GRADUATE REQUIREMENTS**

Up to 12 hours of graduate-level courses (as approved by the department) can be shared/double-counted and fulfill requirements in both the B.S. and M.S. portions of the Accelerated Degree Program.

No more than three courses at the C S G4000 level are permitted. No more than 3 credit hours of C S 5990 are permitted (students who have the graduate liaison's approval to complete a project option may take 6 hours). No more than 6 credit hours of Special Topics in Computer Science are permitted (even with a change in subject).

**THESIS OPTION**

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<tr>
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<tr>
<td>C S 4413</td>
<td>Algorithm Analysis (or equivalent as approved by the graduate liaison)</td>
<td>3</td>
</tr>
<tr>
<td>C S 4513</td>
<td>Database Management Systems (or equivalent as approved by the graduate liaison)</td>
<td>3</td>
</tr>
</tbody>
</table>

Four courses selected from a list of approved Graduate C S Electives maintained by the School of Computer Science | 12 |

| Electives | Choose six hours of any graduate-level C S classes | 6 |

| Thesis | C S 5980 | Research for Master's Thesis | 6 |

**Total Credit Hours** | 30 |

1 Any C S graduate class including MATH 5743, MATH 4753, MATH 4073, or ECE 4000G or higher as approved by the Computer Science graduate liaison. Other courses outside C S require prior approval of the graduate liaison.

**NON-THESIS OPTION**

The non-thesis degree is a coursework-only degree; a non-thesis examination is not required.

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<td>C S 4513</td>
<td>Database Management Systems</td>
<td>3</td>
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</table>

Four courses selected from a list of approved Graduate C S Electives maintained by the School of Computer Science | 12 |

| Electives | Choose 15 hours from any graduate-level C S class | 15 |

**Total Credit Hours** | 33 |

1 Any C S graduate class including MATH 5743, MATH 4753, MATH 4073, or ECE4000G or higher as approved by the Computer Science graduate liaison. Other courses outside C S require prior approval of the graduate liaison.

More information in the catalog: (http://ou-public.courseleaf.com/gallogly-engineering/computer-science/computer-science-bachelor-science-computer-science-master-science/).
Courses designated as Core I, II, III, IV or V are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list.

Students are eligible for graduate status upon graduation with the Bachelor of Science in Computer Science.

Students may enter the accelerated program based on the undergraduate degree pattern offered in the year they first enrolled in the Oklahoma State System of Higher Education or later.

Students are required to take an additional 6-10 hours of coursework, including all prerequisite courses.

The University will have a total of 6-10 hours of coursework.

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Similarly Named Computing Programs Program Criteria.

Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission of ABET,  
https://www.abet.org, under the General Criteria and the Computer Science and Similarly Named Computing Programs Program Criteria.

In order to progress in your curriculum in the Gallogly College of Engineering, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum, including all prerequisite courses.

Two college-level courses in a single world language are required; this may be satisfied by successful completion of 2 years in a single world language in high school. Students who must take language at the University will have an additional 6-10 hours of coursework.

Students may enter the accelerated program based on the undergraduate degree pattern offered in the year they first enrolled in the Oklahoma State System of Higher Education or later.

Students are eligible for graduate status upon graduation with the Bachelor of Science in Computer Science.
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<tr>
<td>C S 4973</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>Any C S 5000-level course</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>