# Computer Science (Entrepreneurship Option)

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<th>Year</th>
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<tr>
<td>1</td>
<td>MATH 220 (4) Analytic Geometry and Calculus I</td>
<td>KSC-3</td>
<td>CIS 300 (3) Data and Program Structures</td>
<td>PR: CIS 200 ≥ C</td>
<td>MATH 510 (3) Discrete Mathematics</td>
<td>PR: MATH 221</td>
<td>CIS 308 (1) C Language Laboratory</td>
<td>PR: CIS 300 ≥ C</td>
<td>STAT 510 (3) Introductory Probability and Statistics I</td>
<td>PR: MATH 221</td>
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<td></td>
<td>CIS 116 (1) Introduction to Programming</td>
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<td>CIS 401 (3) Expository Writing II</td>
<td>KSC-1 PR: ENGL 100</td>
<td>CIS 415 (3) Ethics and Conduct for Computing Professionals</td>
<td>PR: CIS 300 ≥ C</td>
<td>CIS 505 (3) Introduction to Programming Languages</td>
<td>PR: CIS 400</td>
<td>ENTRP 340 (3) Business Innovation and the Entrepreneurial Mindset</td>
<td>PR: CIS 300/301 ≥ C PR/CO: MATH 310 ≥ C</td>
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<td>ENGL 100 (3) Expository Writing I</td>
<td>KSC-1</td>
<td>Elective (4) Natural Science with laboratory</td>
<td>KSC-4</td>
<td>Elective (4) Unrestricted</td>
<td>KSC-5</td>
<td>Elective (3) Social and Behavioral Sciences</td>
<td>KSC-6</td>
<td>ENGL 415 (3) Written Communication for Engineers</td>
<td>PR: ENGL 200 OR ENTRP 340 (3) Business Innovation and the Entrepreneurial Mindset</td>
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<td>COMM 106 (3) Public Speaking</td>
<td>KSC-2</td>
<td>Elective (4) Natural Science with laboratory</td>
<td>KSC-4</td>
<td>Elective (3) Unrestricted</td>
<td>KSC-5</td>
<td>Elective (3) Arts and Humanities</td>
<td>KSC-6</td>
<td>ENGL 516 (3) Communication for the Sciences</td>
<td>PR: ENGL 200</td>
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<td>Elective (3) Social and Behavioral Sciences</td>
<td>KSC-5</td>
<td>Elective (4) Unrestricted</td>
<td>KSC-4</td>
<td>Elective (3) Social and Behavioral Sciences</td>
<td>KSC-5</td>
<td>Elective (3) Institutional</td>
<td>KSC-7</td>
<td>Elective (3) Institutional</td>
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**KEY**
- = Prerequisite for another course
PR = Prerequisite requirement
PR/CO = Prerequisite or concurrent requirement
* = K-State Core (KSC) course
△ = See department approved electives
○ = Offered only in the semester shown

Flowchart is for advising purposes only. Students are responsible for complying with University Catalog requirements.
Computer Science Curriculum Notes

To graduate with a B.S. in computer science, students must have at least a 2.3 GPA in all classes at the 400 level or above taken for undergraduate credit from the Carl R. Ice College of Engineering at Kansas State University. Course grades that have been removed by the K-State Retake Policy will not apply to this GPA calculation.

All students new to the CS department must complete CIS 015.

Additional information is available at cs.k-state.edu/academics/undergraduate/computer-science.

Technical Elective
Technical elective must be satisfied by one of the following:
• CIS 520 Operating Systems
• CIS 525 Introduction to Network Programming
• CIS 625 Concurrent Software Systems

Electives
• Math and Natural Science electives must have departmental approval.
• Upper division electives may be any courses at the 300 level or above.
• Students who satisfy all or part of K-State Core Institutional Electives (Requirement #7) with courses that satisfy other degree requirements may use additional unrestricted electives to meet the degree requirement of 120 credit hours.
• Nine credits of unrestricted and/or upper-division electives must be satisfied by courses taken from the additional entrepreneurship courses list at cs.k-state.edu/academics/undergraduate/entrepreneurship.

Communications Overlay
All students must complete at least two courses (6 hours), which may be used as unrestricted electives or, where applicable, K-State Core requirements, from the following list:
• Any K-State Core Communications course (KSC-2) (3)
• COMM 323 Nonverbal Communication (3)
• COMM 326 Group Communication (3)
• MANGT 220 Principles of Management (3)
• THTRE 261 Fundamentals of Acting (3)
• THTRE 265 Fundamentals of Improvisation I, II (3)

K-State Core
The K-State Core (KSC) is the university’s version of the systemwide general education framework established by the Kansas Board of Regents.

KSC requirement 1 – English (6 hours)
KSC requirement 2 – Communications (3 hours)
KSC requirement 3 – Math and Statistics (3 hours)
KSC requirement 4 – Natural and Physical Sciences (4-5 hours)
KSC requirement 5* – Social and Behavioral Sciences (6 hours)
KSC requirement 6* – Arts and Humanities (6 hours)
KSC requirement 7 – Institutional Electives (6 hours)

To view course lists for each requirement, visit k-state.edu/provost/kstate-core.

*Requires two courses from two different subject areas.