Tulsa Community College to University of Oklahoma: Bachelor of Science in Computer Science (B235)

Summer 2020 through Spring 2021 – Total Credit Hours: 120

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide to be used along with the official University of Oklahoma degree check sheet.

Name: ____________________________  Sooner ID: ____________________________

FRESHMAN

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1914</td>
<td>Calculus I</td>
<td>(TCC MATH 2114)</td>
</tr>
<tr>
<td>MATH 2924</td>
<td>Calculus II</td>
<td>(TCC MATH 2124)</td>
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</tbody>
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SOPHOMORE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2934</td>
<td>Intro Ord. Diff. Equations</td>
<td>meets 3-yr 3000+ level MATH</td>
</tr>
<tr>
<td>TCC MATH 2134</td>
<td></td>
<td>(TCC MATH 2613)</td>
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</tbody>
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JUNIOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>MATH 3333</td>
<td>Linear Algebra</td>
<td>Prereq: MATH 1914/1823</td>
</tr>
<tr>
<td></td>
<td>Software Requirements &amp; Specifications</td>
<td></td>
</tr>
</tbody>
</table>

SENIOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 4263</td>
<td>Software Engr I</td>
<td>Additional Prereq: ENGR 2002</td>
</tr>
<tr>
<td>CS 473</td>
<td>Capstone Software Engineering II</td>
<td></td>
</tr>
</tbody>
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Approved Elective

- Social Science (Refer to OU Engineering Advisor for TCC course #)
- Western Civ & Cult. (Refer to OU Engineering Advisor for TCC course #)

NATURAL SCIENCE

- American Fed. Govt. (TCC POLS 1113)
- Gen. Physics for Engr/Sci
- Prerequisite: MATH 1914/1823
- (TCC PHYS 2034)-includes PHYS 1311 lab (0-hr)

4 hr Natural Science
- Core I: PHYS2514
- Provided by: 4-hr course
- Predesigned by: University of Oklahoma

HIST 1483 or 1493

- US 1492-1865 or US 1865-present
- Shaded courses offered once a year (fall or spring only)

CS Programming

- CS Programming (TCC MATH 2133 & CS 2843)
- (TCC take both)

ENGL 1113

- English Composition (TCC ENGL 1113)

ENGLISH

- ENGL/EXPO 1213
- (TCC ENGL 1213)

Approved Elective

- Artistic Forms (Refer to OU Engineering Advisor for TCC course #)

CS Approved Elective

- Principles of Programming Languages
- 3-hour CS Elective w/ Advisor approval

ENGR 3511

- Prof. Development
- Additional Prereq: Math & ENGL 1213

CS 3823

- Theory of Computation

ENGR 2002

- Additional Prereq: ENGR 2002

Approved Elective

- Non-Western Culture

CS 3323

- Principles of Programming Languages
- 3-hour CS Elective w/ Advisor approval

SUMMER before 3rd Year/Junior Year @ OU

These courses are prerequisites for all 3000+ level CS courses

ENGR 2002

- Transfer Engr Experience

CS 4173

- Computer Security

CS 4513

- Database Management Systems

CS 4473

- Parallel Distributed, and Network Programming

CS Approved Elective

- MATH 4073
- MATH 4743 (MATH 4733 prereq)- fall only

Additional Prereq:

- ENGR 2002

CS 3113

- Intro to Operating Systems

CS 4263

- Software Engr I
- Additional Prereq: ENGR 2002

CS 4413

- Algorithm Analysis

CS 473

- Capstone Software Engineering II

Approved Elective

- 3000-4000 level
- Non-Western Culture

Additional Non-PHYS Gen. Ed. approved Natural Science.

GEN. ED. NATURAL SCIENCE

- PHYS2514
- Gen. Physics for Engr/Sci
- Prerequisite: MATH 1914/1823
- (TCC PHYS 2034)-includes PHYS 1311 lab (0-hr)

3-hour CS Elective w/ Advisor approval

10-hour NATURAL SCIENCE requirement (must meet the following):

- Additional Non-PHYS Gen. Ed. approved Natural Science.
- Gen. Ed. Natural Science (Core I) approved LAB course completed
- Open Electives to meet 10 hours total for this box

Note: Utilize flowcharts as a supplemental guide to OU Official check sheet http://checksheets.ou.edu and regular visits with your WSSC College Advisor