Worcester State University Bachelor of Science in Computer Science Teach-Out Plan

For Becker College Undergraduate Applied Computer Science Students

**CURRENT BECKER COLLEGE SECOND-YEAR STUDENTS**

Current second-year Becker College Applied Computer Science students who will achieve junior status by the end of the spring 2021 semester in good academic standing are guaranteed enrollment in the Worcester State University Computer Science program at the junior level. The following teach-out plan is specifically designed for current Becker College second-year students who will enter the Worcester State University Computer Science program at the junior level. Satisfactory completion of the Becker College first- and second-year curriculum in Applied Computer Science will guarantee students 57 credits in transfer to WSU. Students will then follow the following degree requirements and timeline to finish their degrees at Worcester State University.

### Fall 2019 – Becker College: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
<th>Equivalent WSU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Programming I</td>
<td>CPTR1100</td>
<td>3</td>
<td>WSU CS 101 Basics of Comp. Sci</td>
</tr>
<tr>
<td>Composition and the Agile Mindset</td>
<td>COREENGL</td>
<td>3</td>
<td>WSU EN 190 Readings in Lit.</td>
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<td>Managing Transitions: Change as a Norm</td>
<td>CORE1001</td>
<td>3</td>
<td>WSU TR 1XX</td>
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<tr>
<td>Introduction to Business Models</td>
<td>MGMT1000</td>
<td>3</td>
<td>WSU TR 1XX</td>
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<tr>
<td>Pre-Calculus and Functions, OR</td>
<td>MATH2001</td>
<td>3</td>
<td>WSU CS Approved MA/SCI</td>
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<tr>
<td>Calculus</td>
<td>MATH2202</td>
<td>3</td>
<td>WSU MA 202 Bus. Calc. (QR)</td>
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### Spring 2020 – Becker College: 12 credits

<table>
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<th>Course</th>
<th>Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Computer Programming II</td>
<td>CPTR1400</td>
<td>3</td>
<td>WSU CS 140 Intro to Prog.</td>
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<tr>
<td>Systems and Architectures</td>
<td>CPTR2000</td>
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<td>WSU CS 254 Comp. Org. &amp; Arch.</td>
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<tr>
<td>Informal Logic and Critical Thinking</td>
<td>PHIL1300</td>
<td>3</td>
<td>WSU TR 1XX</td>
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<td>Calculus I, OR</td>
<td>MATH2202</td>
<td>3</td>
<td>WSU MA 202 Bus. Calc. (QR)</td>
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<tr>
<td>Calculus II</td>
<td>MATH2302</td>
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<td>WSU CS Approved MA/SCI</td>
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### Fall 2020 – Becker College: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
<th>Equivalent WSU Course</th>
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<tbody>
<tr>
<td>Writing about Literature</td>
<td>ENGL1003</td>
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<td>WSU EN 105 Intro to Lit.</td>
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<td>Discrete Mathematics</td>
<td>MATH2400</td>
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<td>WSU CS 295 Discrete Struct. II</td>
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<tr>
<td>Data Structures</td>
<td>CPTR2300</td>
<td>3</td>
<td>WSU CS 242 Data Structures</td>
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<tr>
<td>Database Management</td>
<td>CPTR2400</td>
<td>3</td>
<td>WSU CS 286 DB Des. &amp; Apps.</td>
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<td>Software Engineering Life Cycle</td>
<td>GAME2175</td>
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<td>WSU CS 348 SW Proc. Mgmt.</td>
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<td>Course</td>
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<td><strong>Spring 2021 – Becker College: 15 credits</strong></td>
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<tr>
<td>Linear Algebra</td>
<td>MATH3305</td>
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<tr>
<td>Introduction to Project Management</td>
<td>MGMT1805</td>
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<tr>
<td>Agile Project Management with Scrum</td>
<td>GAME3175</td>
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<tr>
<td>Algorithms and Theory of Computing</td>
<td>CPTR3850</td>
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<tr>
<td>Social Science Elective</td>
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<tbody>
<tr>
<td><strong>Fall 2021 – Worcester State University: 15 credits</strong></td>
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<tr>
<td>Discrete Structures I</td>
<td>WSU CS-225</td>
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<td>WSU EN 101</td>
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<tr>
<td>Writing I</td>
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<tr>
<td>Tech., Pub. Policy, Urban Soc. (HBS), OR</td>
<td>WSU UR-230</td>
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<td>WSU PH-134</td>
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<td>Computing Ethics</td>
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<tr>
<td>Statistics, OR</td>
<td>WSU MA-150</td>
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<td>Probability and Statistics</td>
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<td>Public Speaking (TLC)</td>
<td>WSU CM-110</td>
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<tbody>
<tr>
<td><strong>Spring 2022 – Worcester State University: 16 credits</strong></td>
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<tr>
<td>Computer Networking and Security</td>
<td>WSU CS-155</td>
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<td>Unix Systems Programming</td>
<td>WSU CS-282</td>
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<tr>
<td>Software Quality Assurance and Test. (SD) OR</td>
<td>WSU CS-443</td>
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<td>WSU CS-383</td>
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<tr>
<td>Cloud, Parallel and Dist. Comp. (BD)</td>
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<td>Writing II</td>
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<td>WSU LASC</td>
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<tr>
<td>LASC Elective (NSP)</td>
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<tr>
<td><strong>Fall 2022 – Worcester State University: 16 credits</strong></td>
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<tr>
<td>Operating Systems</td>
<td>WSU CS-373</td>
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<tr>
<td>Software Const., Design and Arch., (SD) OR</td>
<td>WSU CS-343</td>
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<tr>
<td>Data Mining (BD)</td>
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<td>Technical Writing</td>
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<td>LASC Elective (CA)</td>
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### Spring 2023 – Worcester State University: 18 credits

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>Software Development Capstone, (SD) OR Big Data Analytics Capstone (BD)</td>
<td>WSU CS-448</td>
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<tr>
<td>300+ Level CS Elective</td>
<td>WSU SELECT</td>
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<td>LASC Elective (ICW)</td>
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<tr>
<td>LASC Elective (GP)</td>
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<td>LASC Elective (DAC)</td>
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<tr>
<td>LASC Elective (USW)</td>
<td>WSU LASC</td>
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</tbody>
</table>

**Becker College Total Credits:** 57  
**Worcester State University Total Credits:** 65  
**Total Degree Credits** 122

**Notes:**
- Concentration courses – Software Development (SD) or Big Data Analytics (BD)
- All students will have their transcripts reviewed; as a result, individual students may be handled on a case-by-case basis.
- A minimum of 120 credits is required for graduation.