This plan is a guide to get you started on the path to graduation. Please consult your advisor to finalize your plan.

**STUDENT NAME:**

**ADVISOR NAME:**

**Full-Time Pathway Plan**  
**2019-2020 Catalog Year**

**Computer Programming Specialist**  
**AAS Degree (AAS_CSPS)**

This plan is a guide to get you started on the path to graduation. Please consult your advisor to finalize your plan.

**FIRST YEAR**

**SUMMER**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th><strong>This Semester’s To-Do List:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ EDUC 1300</td>
<td>Learning Framework: 1st Year Experience. All first-time college students must enroll in EDUC 1300 in their first semester.</td>
<td>• Get your <strong>Best Start</strong> at Lone Star College!</td>
</tr>
</tbody>
</table>
| ☐ COSC 1301, ITSC 1301 | Choose one from:  
  • COSC 1301 Introduction to Computers  
  • ITSC 1301 Introduction to Computers  
  • BCIS 1305 Business Computer Applications | • Set a goal for what you want to accomplish  
  ◦ Make a plan to reach your goal  
  ◦ Get connected with advisors, faculty and student organizations  
  ◦ Stay involved with classes, student life, and campus activities |
| ☐ ITSC 1371, ITSC 1316 | Choose one from:  
  • ITSC 1371 IT Essentials OR  
  • ITSC 1316 Linux Installation and Configuration | • Confirm intended major and develop academic plan with EDUC 1300 or Area of Study advisor  
  • Visit [Financial Aid](#) to find ways to pay for college |
| ☐ COSC 1301, ITSC 1301 | Choose one from:  
  • COSC 1301 Introduction to Computers  
  • ITSC 1301 Introduction to Computers  
  • BCIS 1305 Business Computer Applications | |
| ☐ COSC 1315, ITSE 1311 | Choose one from:  
  • COSC 1315 Introduction to Computer Programming  
  • ITSE 1311 Beginning Web Programming | |

**FALL**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th><strong>This Semester’s To-Do List:</strong></th>
</tr>
</thead>
</table>
| ☐ COSC 1301, ITSC 1301 | Choose one from:  
  • COSC 1301 Introduction to Computers  
  • ITSC 1301 Introduction to Computers  
  • BCIS 1305 Business Computer Applications | |
| ☐ ITSE 1302, COSC 1315 | Choose one from:  
  • ITSE 1302 Computer Programming OR  
  • COSC 1315 Introduction to Computer Programming | |
| ☐ ITSE 1303, ITSE 1311 | Choose one from:  
  • ITSE 1303 Introduction to MySQL OR  
  • ITSE 1311 Beginning Web Programming | |

**SECOND YEAR**

**FALL**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th><strong>This Semester’s To-Do List:</strong></th>
</tr>
</thead>
</table>
| ☐ Programming Elective¹ | Choose one from the first level electives in Plan Note 1. | • Connect with your Area of Study advisor to:  
  ◦ Review academic plan  
  ◦ Utilize campus support services to help you be successful |
| ☐ ITSC 1315 | Project Management Software | |
| ☐ Technical Elective² | Choose one from the technical electives in Plan Note 2. | |
| ☐ ITSE 1350 | Systems Analysis and Design | |

**SUMMER**

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credits</th>
<th><strong>This Semester’s To-Do List:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ SPCH 1321</td>
<td>Business and Professional Communication</td>
<td>• Fill out your <a href="#">FAFSA</a> for next academic year</td>
</tr>
</tbody>
</table>

**WINTER**

<table>
<thead>
<tr>
<th>Fourth Semester</th>
<th>Credits</th>
<th><strong>This Semester’s To-Do List:</strong></th>
</tr>
</thead>
</table>
| ☐ Programming Elective³ | Choose one from the second level electives in Plan Note 3. | • Meet with Area of Study advisor to finalize degree requirements for graduation  
  • Meet with [Career Services](#) to update your resume |
| ☐ Programming Elective³ | Choose one from the second level electives in Plan Note 3. | |
| ☐ Math Elective⁴ | Choose one from the [AAS Associate of Applied Science](#) core.  
  Recommended:  
  • MATH 1314 College Algebra  
  • MATH 1316 Trigonometry  
  • MATH 2305 Discrete Mathematics  
  • MATH 2318 Linear Algebra  
  • MATH 2412 Precalculus  
  • MATH 2413 Calculus I  
  • MATH 2414 Calculus II  
  • MATH 2415 Calculus III | |
| ☐ ENGL 1301 | Composition and Rhetoric I | |

<table>
<thead>
<tr>
<th>Credits</th>
<th>15</th>
<th>12</th>
<th>3</th>
<th>12</th>
<th>3</th>
<th>15</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credits</td>
<td>15</td>
<td>12</td>
<td>3</td>
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<td>3</td>
</tr>
</tbody>
</table>
# Computer Programming Specialist AAS Degree (AAS_CSPS)

## Full-Time Pathway Plan

### 2019-2020 Catalog Year

**Fifth Semester**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Programming Electives³</td>
</tr>
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</tr>
<tr>
<td>3</td>
<td>ACNT 1303 Introduction to Accounting I</td>
</tr>
<tr>
<td>3</td>
<td>Technical Elective²</td>
</tr>
</tbody>
</table>

**Sixth Semester**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>INEW 2332, ITSE 2380 OR ITSC 2372</td>
</tr>
<tr>
<td></td>
<td>Elective Creative Arts/Language, Philosophy &amp; Culture⁴</td>
</tr>
</tbody>
</table>

**SUMMER**

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<th>Credits</th>
<th>Course Options</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>Elective Creative Arts/Language, Philosophy &amp; Culture⁴</td>
</tr>
</tbody>
</table>

### This Semester’s To-Do List:

- **Utilize Career Services** to
  - Review your resume
  - Prepare for Co-op or internship
  - Search for post-graduation job and career opportunities
- Attend networking events and job fairs

### PLAN NOTES

1. **First Level Electives:**
   - ITSE 1307 Introduction to C++ Programming
   - COSC 1320 C Language
   - ITSE 1311 Beginning Web Programming
   - ITSE 1330 Introduction to C# Programming
   - ITSE 1332 Introduction to Visual Basic Net Programming
   - ITSE 2317 Java Programming
2. **Technical Electives:**
   - Choose from ITSE, ITNW, ITSC, IMED, GRPH, COSC
   - GAME 1343 Game & Simulation Programming I
   - GAME 1359 Game & Simulation Programming II
   - GAME 2303 Artificial Intelligence Programming I
   - IITSW 1304 Introduction to Spreadsheets
   - IITSW 1307 Introduction to Database
3. **Second Level Electives:**
   - ITSE 2302 Intermediate Web Programming
   - ITSE 2331 Advanced C++ Programming
   - ITSE 2353 Advanced C# Programming
   - ITSE 2349 Advanced Visual Basic Programming
   - INEW 2338 Advanced Java Programming
4. **Choose from the AAS Associate of Applied Science core requirements**
5. **Capstone course**

### Gainful Employment:

For information about the estimated value and jobs related to programs, please visit [Gainful Employment](#).

The U.S. Department of Education (DOE) requires that institutions of higher education must provide current and prospective students with information about each of its programs that prepare students for gainful employment (GE) in a recognized occupation. Lone Star College certificate programs, not designed to be fully transferable to a bachelor’s degree program, are considered GE programs. Lone Star College’s Gainful Employment Program information is available at LoneStar.edu/GainfulEmployment.

### RESOURCES

- **Academic Advising**
- **How many courses should I take?**
- **AAS Core Curriculum**
- **LSC Catalog**
- **Class Search**
- **myLoneStar**

Check your progress to graduation and see what requirements you still need to take! Click the **Academic Progress** tile on your myLoneStar page, then **My Completion Progress** is on the left.

### TRANSFER

**Transfer-in:** If you took college courses elsewhere, you may be able to substitute those for courses in this plan. First, submit your transcript to the registrar to get evaluated for Transfer credit. Then, speak with an advisor.

**Transfer-out:** Do you want to transfer to a four-year school? Schedule an appointment with a transfer advisor. [Transfer Advising](#)