## TRANSFER PLAN for Computer Science

Bachelor of Science (B.S.) at WTAMU; A.A or A.S. at Clarendon College

### NOTES

<table>
<thead>
<tr>
<th>COURSE CURRICULUM REQUIREMENTS*</th>
<th>HRS</th>
<th>CORE #</th>
<th>MAJOR CORE REQUIREMENTS**</th>
<th>HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. ENGL 1301 - Composition I</td>
<td>3</td>
<td>10</td>
<td>COSC 1436</td>
<td>3</td>
</tr>
<tr>
<td>b. ENGL 1302 or ENGL 2311</td>
<td>3</td>
<td>10</td>
<td>COSC 1437</td>
<td>3</td>
</tr>
<tr>
<td>c. SPCH 1315, 1318, or 1321</td>
<td>3</td>
<td>11</td>
<td>COSC 2425</td>
<td>3</td>
</tr>
<tr>
<td>d. MATH 1314, 1324, or 2413</td>
<td>3</td>
<td>20</td>
<td>COSC 2436</td>
<td>3</td>
</tr>
<tr>
<td>e. Natural Science</td>
<td>8</td>
<td>30</td>
<td>MATH 2414</td>
<td>3</td>
</tr>
<tr>
<td>f. Humanities</td>
<td>3</td>
<td>40</td>
<td>MATH 2415</td>
<td>3</td>
</tr>
<tr>
<td>g. Visual and Performing Arts</td>
<td>3</td>
<td>50</td>
<td></td>
<td>18</td>
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<tr>
<td>h. HIST 1301, 1302 - History of U.S. I and II</td>
<td>6</td>
<td>60</td>
<td>Additional Courses for the A.A. or A.S. Degree</td>
<td></td>
</tr>
<tr>
<td>i. GOVT 2305, 2306 - Government of U.S., Texas</td>
<td>6</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>j. Social and Behavioral Sciences</td>
<td>6</td>
<td>80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>k. Institutionally Designated Option</td>
<td>2</td>
<td>90</td>
<td></td>
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</tr>
</tbody>
</table>

Please note that not all courses may be offered each semester at the community college. Check with your counselor for availability of courses, as well as the option to pursue an associate’s degree.

### EXPLANATION OF NOTES

* West Texas A&M University’s requirements include a 42-hour Texas core curriculum, whereas Clarendon College maintains a 46-hour core curriculum with options for an Associate in Arts or an Associate in Science general degree. WTAMU only requires six hours of Natural Sciences and three hours of Social and Behavioral Sciences. If a student completes a component of the core at one Texas institution, that block of courses will be substituted for WTAMU’s same core component(s). Furthermore, core curriculum requirement courses may also be fulfilled by approved courses at WTAMU.

** Additional Program Foundation courses are required. These may be completed at Clarendon College or WTAMU.

*** A course may satisfy only one core area.

- a. Six hours of lower-level English composition.
- b. Courses may include: SPCH 1311, 1318 or 1321.
- c. Satisfies the Mathematics core requirement.
- d. Courses for Natural Sciences, with labs, may include: BIOL 1406, 1407, 1411, 1413, 2401, 2402, 2421, CHEM 1311 (with CHEM 1111), CHEM 1312 (with CHEM 1112), CHEM 2323 (with CHEM 2223), CHEM 2325 (with CHEM 2225), PHYS 1401, PHYS 1402, or AGRI 1415.
- e. Courses for Humanities may include: ENGL 2331, 2332, 2333, or PHIL 1316, 1317.
- f. Courses for Visual and Performing (Fine) Arts may include: ARTS 1303, DRAM 1310, 2361, 2362, 2366, MUSI 1304, 1306, 1308 or 1310.
- g. Satisfies the History core requirement; may take HIST 2301 (and listed under the Social and Behavioral Sciences component at CC).
- h. Satisfies the Government core requirement (and listed under the Social and Behavioral Sciences component at CC).
- i. Courses for the Social and Behavioral Sciences core requirement may include: CRJ 1301 or 1307, PSYC 1301, PSYC 2301, 2314, SOCI 1301, 1306, 2319, ECON 2301, 2302, or AGRI 2317.
- j. Institutionally Designated Option courses may include: any PHED Physical Education Activities course numbered 1105-1161.

This information is for reference and planning purposes. This is not an official degree plan.
Bachelor of Science—Computer Science
2011-2012 Catalog

GENERAL DEGREE REQUIREMENTS

• A minimum of 120 semester hours of applicable college credit.
• At least 39 hours of advanced work (courses at the 3000 or 4000 level) for which tuition is paid must be earned at WTAMU; 30 of the 39 hours must be the final hours counted toward a degree. Continuing Education courses do not count in the 39 hours of advanced work at WTAMU.
• Completion of West Texas A&M University core curriculum.
• Achievement of at least a “C” (2.0) average in all course work offered toward a degree, at least a “C” average in major requirements listed in degree plans and at least a “C” average in all hours in the student’s major subject.
• Credits may be transferred to West Texas A&M University to be counted toward a degree in accordance with the degree program requirements as outlined in the catalog. No grade of “D” in the program’s major requirements or major subject can transfer for credit in any degree program offered at West Texas A&M University.

CORE REQUIREMENTS FOR COMPUTER SCIENCE MAJORS

Admission Requirements
• All computer science students must meet West Texas A&M University Admission Requirements. Upon admission to the University, all WTAMU students will be eligible to engage in and complete the first two years of the Computer Science Program.

Program Outcomes
Students completing this curriculum will be able to demonstrate:
• A system-level perspective;
• An appreciation of the interplay between theory and practice;
• Familiarity with common themes of computer science such as abstraction, complexity and evolutionary change;
• Adaptability to the enormous pace of change in computing.

Computer Science Requirements
• CS 1301, 1437, 2425, 2436, 3305, 3307, 3310, 3315, 3352, 3372, 4310, 4325, 4340, 4385, 4390, 4391.
• MATH 2321, 2322 and 2414.
• Six hours advanced MATH chosen from 3311, 3321, 3340, 3342, 3343, 4310, 4340, 4341, 4361, 4392.
• Six hours advanced CS electives chosen from CS 3303, 3387, 4097, 4098, 4330, 4350, 4360, 4392.
• Six hours electives from ENGR, ET, PHYS, or MATH.