## EXPLANATION OF NOTES

### Core Curriculum Requirements

<table>
<thead>
<tr>
<th>NOTES</th>
<th>CORE CURRICULUM REQUIREMENTS*</th>
<th>HRS</th>
<th>CORE #</th>
<th>MAJOR CORE REQUIREMENTS**</th>
<th>HRS</th>
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<tbody>
<tr>
<td>a</td>
<td>ENGL 1301 - Composition I</td>
<td>3</td>
<td>10</td>
<td>COSC 1436</td>
<td>3</td>
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<tr>
<td>a</td>
<td>ENGL 1302 - Composition II</td>
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<td>COSC 1437</td>
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<tr>
<td>b</td>
<td>Any SPCH course</td>
<td>3</td>
<td>11</td>
<td>COSC 2425</td>
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<tr>
<td>c</td>
<td>MATH 1314 or higher</td>
<td>3</td>
<td>20</td>
<td>COSC 2436</td>
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<tr>
<td>d</td>
<td>Natural Science</td>
<td>6</td>
<td>30</td>
<td>MATH 2414</td>
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<td>e</td>
<td>Humanities</td>
<td>3</td>
<td>40</td>
<td>MATH 2415</td>
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<tr>
<td>f</td>
<td>Visual and Performing Arts</td>
<td>3</td>
<td>50</td>
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<tr>
<td>g</td>
<td>HIST 1301 or 2301 and 1302 or 2301</td>
<td>6</td>
<td>60</td>
<td>Additional Courses for the Associate Degree</td>
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<td>h</td>
<td>GOVT 2301, 2302 - Government of U.S., Texas</td>
<td>6</td>
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<td>Social and Behavioral Sciences</td>
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<td>Institutionally Designated Option</td>
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</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.

### Additional Courses for the Associate Degree

- Courses for Natural Science may include: any BIOL, CHEM, GEOL, or PHYS course; HECO 1410, AGRI 1307, 1312, 1415, or 1419.
- Six hours of appropriate science credit by examination may be used to satisfy the natural sciences requirement.
- Courses for Humanities may include: ENGL 2322, 2326, 2332, 2333, 2342, 2343, or 2344; FREN, HUMA, PHIL, SPAN 1511 or higher; or HIST 1302 or 2301 if not used for the History core requirement.
- Courses for Performing and Visual Arts may include: Any ARTS, COMM, DRAM, MUAP, MUIEN, or MUSI course.
- Satisfies the History core requirement.
- Courses for Social and Behavioral Sciences may include: any ANTH, ECON, GEOG, PSYC, or SOCI course; AGRI 2317, COMM 1307.
- Institutionally Designated Option courses may include: AGRI 1309, COCS 1309 or higher course.

*West Texas A&M University’s requirements are consistent with the 42-hour Texas core curriculum. 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 South Plains College or WTAMU.

***A course may satisfy only one core area. For example, COMM 1307 will satisfy either Visual and Performing Arts (50) or Social Behavioral Sciences (80), but not both.

a. Six hours of lower-level English composition.
b. Satisfies the Speech Communication Requirement.
c. Satisfies the Mathematics core requirement.
d. Courses for Natural Science may include: any BIOL, CHEM, GEOL, or PHYS course; HECO 1410, AGRI 1307, 1312, 1415, or 1419.

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.

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This information is for reference and planning purposes. This is not an official degree plan.
Bachelor of Science-Computer Science
2013-2014 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, 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.