## Math & Science Division Degree Plan

### ASSOCIATE OF SCIENCE

Field of Study in Computer Science

<table>
<thead>
<tr>
<th>STUDENT NAME</th>
<th>A#</th>
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<tbody>
<tr>
<td>ADDRESS</td>
<td>CITY, STATE, &amp; ZIP CODE</td>
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<tr>
<td>TELEPHONE (DAY)</td>
<td>EVE</td>
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**Placement Testing:**

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<tr>
<th>Alternative Exam:</th>
<th>Read</th>
<th>Writing</th>
<th>Math</th>
<th>*TSI COMPLETE/EXEMPT/WAIVED</th>
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<td>Accuplacer/ASSET/COMPASS/THEA</td>
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<td>ACT</td>
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<td>SAT</td>
<td>*Texas Success Initiative Rules</td>
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### Developmental Courses (enter grade)

- **Orin 101 - College Success**
- **Non Course Remediation**

**Major Courses**

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<tr>
<th>SCH</th>
<th>COLLEGE</th>
<th>SEM/YR</th>
<th>GRADE</th>
<th>COMMENTS</th>
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#### First Year - Fall Semester

- HIST 1301 United States History I or HIST 2327
- ENGL 1301 Composition
- COSC 1336 Programming Fundamentals I

#### First Year - Spring Semester

- Natural Science Elective - Core Curriculum
- HIST 1302 United States History II or HIST 2328
- ENGL 1302 Composition II - Rhetoric
- COSC 1337 Programming Fundamentals II

#### First Year - Summer Semester

- MATH 1414 College Algebra
- Visual & Performing Arts Elect.-Core Curriculum

#### Second Year - Fall Semester

- GOVT 2305 Federal Government
- Social & Behav. Sciences Elect.-Core Curriculum
- COSC 2336 Programming Fundamentals III
- MATH 2412 Precalculus and Trigonometry or MATH 2413

#### Second Year - Spring Semester

- GOVT 2306 Texas Government
- COSC 2330 Advanced Structured Languages
- COSC 2325 Computer Organization & Machine Language
- **Philosophy Elective-Humanities Core Curriculum**

**Students must take any Philosophy course to fulfill the Humanities component of the Core Curriculum.**
2013-2014  Associate of Science, Field of Study in Computer Science

PRE-REQUISITES:

HIST 1301  UNITED STATES HISTORY I
  Prerequisite: Completion of READ 0200 or equivalent.

HIST 2327  MEXICAN-AMERICAN HISTORY I
  Prerequisite: Completion of READ 0200 or equivalent.
  (May substitute for HIST 1301.)

ENGL 1301  COMPOSITION
  Prerequisite: A score of 60+/E-6, E-7, E-8 or 80+/E-5 on the ACCUPLACER Exam for Writing,
  equivalent placement score, or completion of ENGL 0200 with a grade of "C" or better; and a score of
  78 on the ACCUPLACER Exam for Reading, the completion of READ 0200 or equivalent.

COSC 1336  PROGRAMMING FUNDAMENTALS I
  Prerequisite: Concurrent enrollment in MATH 0090 or completion of equivalent.
  Recommended: MATH 1414 with a grade of "C" or better.

HIST 1302  UNITED STATES HISTORY II
  Prerequisite: Completion of READ 0200 or equivalent.

HIST 2328  MEXICAN-AMERICAN HISTORY II
  Prerequisite: Completion of READ 0200 or equivalent.
  (May substitute for HIST 1302.)

ENGL 1302  COMPOSITION II - RHETORIC
  Prerequisite: A grade of "C" or higher in ENGL 1301.

COSC 1337  PROGRAMMING FUNDAMENTALS II
  Prerequisite: COSC 1336 with a grade of "C" or better.

MATH 1414  COLLEGE ALGEBRA
  Prerequisite: A score of 63+ on the Elementary Algebra ACCUPLACER Exam, or a score of 63+ on the
  CLM ACCUPLACER Exam, or completion of MATH 0090 with a grade of "P", "C" or better, or equivalent.

GOVT 2305  FEDERAL GOVERNMENT
  Prerequisite: Completion of READ 0200 with a grade of "C" or better or equivalent.

COSC 2336  PROGRAMMING FUNDAMENTALS III
  Prerequisite: COSC 1337 with a grade of "C" or better.

MATH 2412  PRECALCULUS AND TRIGONOMETRY
  Prerequisite: A score of 63+ on the Elementary Algebra ACCUPLACER Exam, or a score of 63+ on the
  CLM ACCUPLACER Exam, or completion of MATH 0090 with a grade of "P", "C" or better, or equivalent.

MATH 2413  CALCULUS I
  Prerequisite: MATH 1316 or MATH 2412 with a grade of "C" or better; or a 100+ on the College
  Level Mathematics ACCUPLACER.

GOVT 2306  TEXAS GOVERNMENT
  Prerequisite: Completion of READ 0200 with a grade of "C" or better or equivalent.

COSC 2330  ADVANCED STRUCTURED LANGUAGES
  Prerequisite: COSC 2336 with a grade of "C" or better.

COSC 2325  COMPUTER ORGANIZATION & MACHINE LANGUAGE
  Prerequisite: COSC 1336 with a grade of "C" or better.

NATURAL SCIENCES ELECTIVE - 8 CREDITS (Depending on the course, check the catalog for pre-requisites.)

SPEECH ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

SOCIAL / BEHAVIORAL SCIENCES ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

VISUAL & PERFORMING ARTS ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

HUMANITIES ELECTIVE - 3 CREDITS- (Depending on the course, check the catalog for pre-requisites.)

Students must take any Philosophy course to fulfill the Humanities component of the Core Curriculum.