# Business & Technology Division Degree Plan

## COMPUTER AIDED DRAFTING AND DESIGN TECHNOLOGY
Associate of Applied Science
Specialization: Architectural Drafting

### Major Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>SCH</th>
<th>COLLEGE</th>
<th>SEM/YR</th>
<th>GRADE</th>
<th>COMMENTS</th>
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<tbody>
<tr>
<td>MATH 1414</td>
<td>College Algebra</td>
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<tr>
<td>COSC 1301</td>
<td>Introduction to Computing</td>
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<tr>
<td>ARCE 1303</td>
<td>Architectural Materials &amp; Methods of Construction</td>
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<tr>
<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
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<tr>
<td>DFTG 1315</td>
<td>Architectural Blueprint Reading &amp; Sketching</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition</td>
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<tr>
<td>DFTG 2340</td>
<td>Solid Modeling / Design</td>
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<td>DFTG 2328</td>
<td>Architectural Drafting - Commercial</td>
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<td>DFTG 2319</td>
<td>Intermediate Computer-Aided Drafting</td>
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<tr>
<td>DFTG 1317</td>
<td>Architectural Drafting - Residential</td>
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<td>DFTG 2321</td>
<td>Topographical Drafting</td>
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<td>ARCE 1352</td>
<td>Structural Drafting</td>
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<tr>
<td>ARCE 2352</td>
<td>Mechanical &amp; Electrical Systems</td>
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<td>DFTG 2331</td>
<td>Advanced Technologies in Arch. Design and Draft.</td>
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<td>PSYC 2301</td>
<td>General Psychology or SOCI 1301</td>
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<td>SPCH 1311</td>
<td>Introduction to Speech Communication</td>
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<td>DFTG 2338</td>
<td>Final Project-Advanced Drafting</td>
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<td>DFTG 2392</td>
<td>Special Topics in Architectural Drafting</td>
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<td>DFTG 1380</td>
<td>CAPSTONE: Cooperative Education</td>
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**Identifies courses to fulfill minimum 15 hours General Education Requirement**

**See back of degree plan for Program Elective Options.**
2014-2015 CADD AAS - Specialization: Architectural Drafting

PRE-REQUISITES:

MATH 1414 COLLEGE ALGEBRA
Prerequisite: Meet TSI college-readiness standard for Mathematics; or completion of MATH 0090 or MATH 0200 or MATL 0020 with a grade of "P" or "C" or better; or equivalent.

COSC 1301 INTRODUCTION TO COMPUTING
Prerequisite: None.

ARCE 1303 ARCHITECTURAL MATERIALS AND METHODS OF CONSTRUCTION
Prerequisite: DFTG 1315.

DFTG 1309 BASIC COMPUTER-AIDED DRAFTING
Prerequisite: Completion of or concurrent enrollment in DFTG 1315 or ARCE 1303.

DFTG 1315 ARCHITECTURAL BLUEPRINT READING & SKETCHING
Prerequisite: Concurrent enrollment in DFTG 1309.

ENGL 1301 COMPOSITION
Prerequisite: TSI complete in Reading and Writing; or completion of ENGL 0200 and READ 0200 with a grade of "C" or better; or completion of INRW 0304 with a grade of "C" or better.

DFTG 2340 SOLID MODELING / DESIGN
Prerequisite: DFTG 1317 and DFTG 2319.

DFTG 2328 ARCHITECTURAL DRAFTING - COMMERCIAL
Prerequisite: DFTG 1315, DFTG 1309; and completion of or concurrent enrollment in DFTG 2319.

DFTG 2319 INTERMEDIATE COMPUTER-AIDED DRAFTING
Prerequisite: DFTG 1315, DFTG 1309, or ARTC 1321.

DFTG 1317 ARCHITECTURAL DRAFTING - RESIDENTIAL
Prerequisite: DFTG 1315, DFTG 1309 or ARTC 1321; and completion of or concurrent enrollment in DFTG 2319.

DFTG 2321 TOPOGRAPHICAL DRAFTING
Prerequisite: DFTG 1309 and DFTG 2319.

ARCE 1352 STRUCTURAL DRAFTING
Prerequisite: DFTG 1315 and DFTG 2319.

ARCE 2352 MECHANICAL & ELECTRICAL SYSTEMS
Prerequisite: Completion of or concurrent enrollment in DFTG 2338, DFTG 1317 and DFTG 2328.

DFTG 2331 ADVANCED TECHNOLOGIES IN ARCHITECTURAL DESIGN AND DRAFTING
Prerequisite: DFTG 1317 and DFTG 2328.

PSYC 2301 GENERAL PSYCHOLOGY
Prerequisite: Completion of READ 0100 with a grade of "C" or better or equivalent.

SOCI 1301 INTRODUCTION TO SOCIOLOGY
Prerequisite: Completion of READ 0100 with a grade of "C" or better or equivalent.

SPCH 1311 INTRODUCTION TO SPEECH COMMUNICATION
Prerequisite: Completion of READ 0200 or equivalent.

DFTG 2338 FINAL PROJECT-ADVANCED DRAFTING
Prerequisite: Completion of or concurrent enrollment in ARCE 2352, and completion of DFTG 1317 and DFTG 2328.

DFTG 1392 SPECIAL TOPICS IN ARCHITECTURAL DRAFTING
Prerequisite: DFTG 2331.

DFTG 1380 CAPSTONE: COOPERATIVE EDUCATION
Prerequisite: DFTG 2338 and ARCE 2352.

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

**Prerequisites for Program Elective Options:

CNBT 1309 BASIC CONSTRUCTION MANAGEMENT
Prerequisite: None.

DFTG 1371 INTRODUCTION TO THE CIVIL DRAFTING PROFESSION
Prerequisite: None.