**Architectural Design Technology - Associate of Science Degree**

The ADT degree prepares students for employment in Architecture, Engineering and/or Construction (AEC) utilizing industry best practices and the proper implementation of design technology. Successful graduates of this degree can expect to find opportunities for work in architectural / interior design / engineering firms, construction companies or building product manufacturers associated with the design and construction of the built environment. The degree will prepare student utilizing a project based learning approach through the design of various and increasingly sophisticated projects.

### SUGGESTED PROGRAM COURSE SCHEDULE

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Pre-Req^</th>
<th>Semesters offered*</th>
<th>GE Area</th>
</tr>
</thead>
</table>
| ADT 301
Intro to Architectural Design Technology | 3 | None | F | |
| **ARCH 320**
Architectural Design & Communication I | 3.5 | Advisory: ADT 310 | F, S | |
| **ARCH 325**
Arch Design & Comm Tech I | 3 | Co-req: ARCH 320 | F | |
| **ARCH 310**
History of Architecture | 3 | | F, S, Su | CRC Area I |
| Area II(a)
Writing Competency | 3 | Recommend meeting with a counselor | F, S, Su | CRC Area II(a) |
| CRC Area III(a)
Physical Edu Activity | 1 | | F, S, Su | CRC Area III(a) |

16.5 UNITS

#### SEMESTER 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Pre-Req^</th>
<th>Semesters offered*</th>
<th>GE Area</th>
</tr>
</thead>
</table>
| **ADT 303**
ADT II-Sites, Sys, Codes & Reg | 3 | Co-req: BIT 100 or 101 | S | |
| **BIT 100**
Intro to International Bldg Code or BIT 101
Intro to Internal Residential Code | 3 | None | F(O) | S |
| **ARCH 321**
Arch. Design & Comm II | 3.5 | Advisory: ADT 300 or ARCH 320 | S | |
| **ARCH 326**
Arch Design & Comm Tech II | 3 | Co-req: ARCH 321 | S | |
| CRC Area II(b)
Math competency | 3-5 | Recommend meeting with a counselor | F, S, Su | CRC Area II(b) |

15.5-17.5 UNITS

^You must have passed the prerequisite course(s) with a “C” or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

*(O) = online available  (H) = hybrid available

**Career Options / Outlook:**
Design Technologists / Building information modeling (BIM) specialists prepares detailed drawings of architectural and structural designs for buildings, components and structures according to specifications provided by the architect / engineer. Tasks include creating and managing 3D models in CAD / BIM software used for documentation and construction, Produce graphical presentations; Analyzing building codes, accessibility requirements, space and site analysis, and other technical documents and reports to determine their effect on the design and construction of buildings. Career opportunities require more than two years of college study.

A sample of reported job titles: Architect / Engineer, Architectural / Structural Designer, Architectural / Structural / Construction BIM Coordinator or Manager, Building Information Modeling Specialist, BIM Detailer, etc.

**Projected job opening (2016-2026):**
1,480

**Projected growth:**
Average (5%-9%)

**Salary in California:**
Median wage (2017) with advanced degree: $59,860/yr
Source: [https://www.onetonline.org/link/summary/17-3011.01](https://www.onetonline.org/link/summary/17-3011.01)

Catalog Year: “2020-2021”  Counseling Faculty Contact: Lee Weathers  Faculty Contact: Edward Mojica
### SEMESTER 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Pre-Req(s)</th>
<th>Semesters offered*</th>
<th>GE Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT 305 ADT III – Materials, Assembiles, &amp; Sys</td>
<td>3</td>
<td>ADT 303; Co-req: ADT 320</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>ADT 320 Building Info Modeling I</td>
<td>3</td>
<td>Advisory: ADT 310</td>
<td>F, S</td>
<td></td>
</tr>
<tr>
<td>CMT 310 Materials of Construction</td>
<td>3</td>
<td>Advisory: CMT 300</td>
<td>F, S</td>
<td></td>
</tr>
<tr>
<td>CRC Area IV Natural Science</td>
<td>3-5</td>
<td></td>
<td>F, S, Su</td>
<td>CRC Area IV</td>
</tr>
<tr>
<td>CRC Area V(a) American Institutions</td>
<td>3</td>
<td></td>
<td>F, S, Su</td>
<td>CRC Area V(a)</td>
</tr>
</tbody>
</table>

### SEMESTER 4

<table>
<thead>
<tr>
<th>Course</th>
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<th>GE Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT 307 ADT IV-Capstone-Adv Design Tech Workshop</td>
<td>3</td>
<td>ADT 305; Co-req: ADT 322</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>ADT 322 Building Info Modeling II</td>
<td>3</td>
<td>ADT 320 or equivalent skills</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>CRC Area III(b) recommended: ADT 498 Work Exp</td>
<td>3</td>
<td>None</td>
<td>F, S, Su</td>
<td>CRC Area III(b)</td>
</tr>
<tr>
<td>CRC Area V(b) Social Behavioral Science</td>
<td>3</td>
<td></td>
<td>F, S, Su</td>
<td>CRC Area V(b)</td>
</tr>
<tr>
<td>CRC Area VI Ethnic Multicultural Studies</td>
<td>3</td>
<td></td>
<td>F, S, Su</td>
<td>CRC Area VI</td>
</tr>
</tbody>
</table>

**Honors option:**
The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

**Transfer notes:**
Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

**General Education (GE):**
Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

*You must have passed the prerequisite course(s) with a “C” or better.
*(O) = online available  (H) = hybrid available