DRAFTING TECHNICIAN: ARCHITECTURAL/MECHANICAL

PROGRAM DESCRIPTION:
The drafting program degrees and certificates provide the basic knowledge and skills in drafting, mathematics, art, and related scientific and engineering areas to prepare students for employment in manufacturing and architectural industries. Each program focuses on the skills necessary to be successful and gain employment in related fields. Computer aided drafting (CAD) will be used to complete the required work in most of the classes.

Courses designed to fulfill major requirements for an Associate in Science Degree from Chaffey College are not the same as those required for completing the major at a transfer institution offering a baccalaureate degree. Students who intend to transfer to a four-year college or university in any major should consult the catalog of the appropriate transfer institution and a Chaffey College counselor to develop a preferred plan of study.

HOW DO I KNOW THIS MAJOR IS FOR ME?
- You like to use computers to draft designs
- You like to use maps, diagrams, and charts
- You are detail orientated and like to interpret data
- You enjoy completing work independently
- You like practical, hands-on problems
- You like set procedures and routines

WHAT CAN I DO WITH THIS CERTIFICATE/ASSOCIATE DEGREE?
- Architectural Drafter
- Architectural Drafting Aide
- CAD Operator
- Civil CAD Technician
- Drafting Technician
- Draftspersons
- Mechanical Drafter
- CAM Operator

WHERE CAN I WORK?
This pathway provides you with a choice of various work environments including:
- Architectural Services
- Engineering Services
- Instrument Manufacturing
- Construction Companies
- Industrial Services
- Metal/Electronic Plants
- Utility Companies
- Plastics/Rubber Manufacturing
- Building Equipment Companies
- Machinery Manufacturers

WHAT IS THE POTENTIAL WAGE OUTLOOK?
The Certificate/Associate Degree may lead to a position as an Architectural or Mechanical Drafter, which according to the EDD/LMID Occupational Employment Statistics Survey, 2017 the median wage in California was $28.38 per hour or $59,037 annually. For more information, visit www.labormarketinfo.edd.ca.gov/OccGuides. The job and wage outlook will vary based on the position selected within this major. To review current salary information and job outlook for other occupational titles, visit www.onetonline.org.

WHAT CAN I DO IN THE FUTURE WITH MORE EDUCATION?
The positions below require at least a bachelor’s degree in Architectural or in the field of Engineering. According to O*NetOnline, the median salary in 2016 for a Civil Engineer in California was $104,150 annually.
- Civil Engineer
- Architect
- Mechanical Engineer
- Industrial Engineer
- Materials Engineer
- Design Engineer
- Industrial Designer
- Commercial Designer

For additional information about career pathways and to find out if this major is a good fit for you visit the Career Center located in MACC 203. Career information was collected from www.onetonline.org and www.bls.gov.

Career Center • MACC 203 • (909) 652-6511
MAJOR AND COURSE REQUIREMENTS:

In addition to completion of the MAJOR, there are other requirements for the degree, refer to the Chaffey College Graduation Requirement Sheet or see a counselor in the Counseling Center.

All courses required for a certificate must be completed with a minimum grade of C.

(Continue on next page)

$46 per unit for CA Residents

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**Major Requirements for the Associate in Science Degree: (S125)**

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<tr>
<th>Course</th>
<th>Title</th>
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<td>ART 12</td>
<td>Fundamentals of Design in Three Dimensions</td>
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<td>Introduction to Engineering Design</td>
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<td>History of Western Architecture and Interiors II</td>
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<td>The Ideas of Physics</td>
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<td>The Ideas of Physics Laboratory (or any advanced course in physics with a laboratory)</td>
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**Requirements for Drafting Technician: Architectural Certificate: (L125)**

Same as the major requirements for the A.S. Degree

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**COUNSELOR NOTES:**

- Student Name: ____________________________
- ID#: ____________________________
- Date: ____________________________
- Counselor: ____________________________

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MAJOR AND COURSE REQUIREMENTS:

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