

## TWO CERTIFICATES OF ACHIEVEMENT ARE AVAILABLE

- **ENGINEERING DESIGN TECHNOLOGY**
- **ENGINEERING DESIGN AND PRODUCTION TECHNOLOGY**

## ASSOCIATE OF ARTS DEGREE IS ALSO AVAILABLE



### ENGINEERING DESIGN TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

- ENGT 116 Blueprint Reading (2 Units)..... Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing (2 Units) ..... Completed
- ENGT 131 Design Fundamentals Including 3-D modeling (3 Units) ..... Completed
- ET 101 Principles of Engineering Technology (3 Units) ..... Completed
- MTT 56 CNC Shop Inspection (2 Units)..... Completed

#### And choose any of the two courses listed below:

- ARCH 213 Introduction to 3-D Computer Aided Graphics (3.5 Units)..... Completed
- ENGT 103 Introduction to Engineering Design Using Inventor (3 Units) ..... Completed
- ENGT 138 Introduction to Engineering Design Using AutoCAD (4 Units)..... Completed
- ENGT 257 Advanced Modeling Using Inventor (4 Units) ..... Completed
- ENGT 259 SolidWorks Introduction (4 Units) ..... Completed
- ENGT 260 Advanced Modeling Using SolidWorks (4 Units)..... Completed

**Total Core Requirement: 18.5–20 Units**

### ENGINEERING DESIGN AND PRODUCTION TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

- ENGT 116 Blueprint Reading (2 Units) ..... Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing (2 Units) ..... Completed
- ENGT 131 Design Fundamentals including 3-D Modeling (3 Units) ..... Completed
- ENGT 237 Statics and Strength of Materials (3 Units)..... Completed
- ENGT 259 SolidWorks Introduction (4 Units)..... Completed
- MTT 68 Computer-Assisted Inspection Using Verisurf (2 Units) ..... Completed

#### Select one Manufacturing Class:

- MTT 100 Machine Tool Introduction (2 Units)..... Completed
- PMT 100 Plastics Technology (2 Units) ..... Completed
- PMT 151 Composites Fabrication (2 Units)..... Completed
- WELD 100 Welding Fundamentals (2.5 Units) ..... Completed
- WMT 101 Introduction to Woodworking (3 Units) ..... Completed

**Total Certificate Requirement: 18-19 Units**

## New Students and/or 1<sup>st</sup> Semester Students

can take the recommended classes

- ENGT 103 (3 units) Introduction to Engineering Design Using Inventor
- ENGT 116 (2 units) Blueprint Reading
- ENGT 131 (3 units) Design Fundamentals including 3-D Modeling
- ENGT 138 (4 units) Introduction to Engineering Design Using AutoCAD
- ENGT 259 (4 units) SolidWorks Introduction
- ET 101 (3 units) Principles of Engineering Technology
- NPD 103 (3 units) Tooling and Materials for New Product Development
- PMT 100 (2 units) Plastics Technology

## 2<sup>nd</sup> Semester Students and/or Continuing Students

may take any of the following classes in conjunction with the 1<sup>st</sup> Semester recommended classes and/or in later pursuit of certificate

- ENGT 117 (2 units) Geometrical Dimensioning and Tolerancing
- ENGT 153 (3 units) Machine Design Applications Using Solid Modeling
- ENGT 237 (3 units) Statics and Strength of Materials Using Simulation
- ENGT 257 (4 units) Advanced Modeling Using Inventor
- ENGT 260 (4 units) Advanced Modeling Using SolidWorks
- MTT 56 (2 units) CNC Shop Inspection
- MTT 62 (2 units) Fixture Tooling
- MTT 68 (2 units) Computer-Assisted Inspection Using Verisurf
- NPD 105 (3 units) Mechatronics Integration in New Product Development

For detailed course descriptions, please refer to the current General Catalog: [www.cerritos.edu/catalog](http://www.cerritos.edu/catalog)

## Interested in enrolling at Cerritos College?

Please refer to the step-by-step enrollment process: [www.cerritos.edu/futurestudents](http://www.cerritos.edu/futurestudents)

## Want to apply to get your certificate?

1. Make sure you meet the requirements for the Certificate Determine which form to fill out and download the form at: [www.cerritos.edu/admissions-and-records](http://www.cerritos.edu/admissions-and-records)
  - Petition for Certificate: Petition to graduate with a Certificate of Achievement
2. Fill out the appropriate form and meet with a counselor
  - Make an appointment by calling (562) 860-2451, ext. 2231 or use Online Counseling at: [www.cerritos.edu/counseling/online-orientation.htm](http://www.cerritos.edu/counseling/online-orientation.htm).

