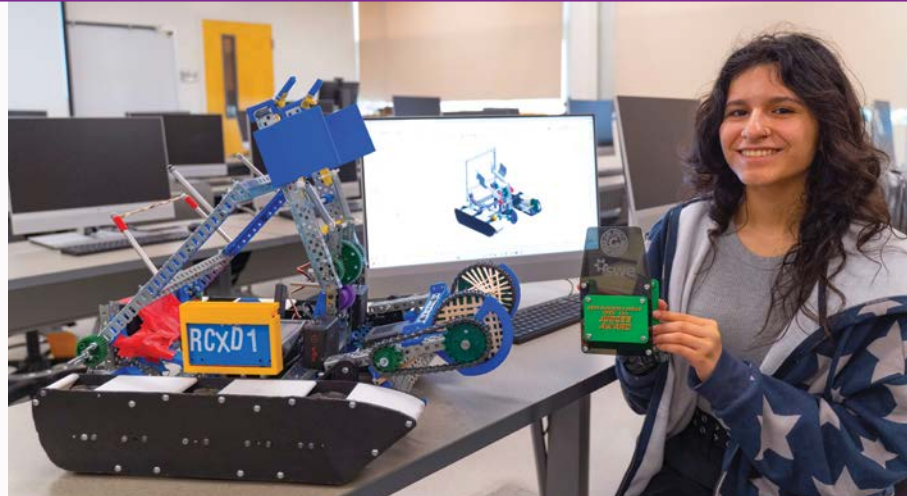


**CERTIFICATES OF ACHIEVEMENT
ARE AVAILABLE**

- **Engineering Design Technology**
- **Engineering Design and Production Technology**

**ASSOCIATE OF SCIENCE IS
ALSO AVAILABLE**



ENGINEERING DESIGN TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

- ENGT 116 Blueprint Reading and Production (4 Units) Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing and Model Based Definition (4 Units) Completed
- ENGT 131 Design Fundamentals Including 3D Modeling (3 Units) Completed
- ET 101 Principles of Engineering Technology (3 Units) Completed
- MTT 130 Quality Practices and Measurement (2 Units) Completed

And Choose Any of the Two Courses Listed Below:

- ARCH 213 Introduction to 3-D Computer Aided Drafting (4 Units) Completed
- ENGT 103 Introduction to Engineering Design Using Inventor (3 Units) Completed
- ENGT 137 Industrial Design and 3D Modeling in Fusion360 (4 Units) Completed
- ENGT 138 Introduction to Engineering Design Using AutoCAD (4 Units) Completed
- ENGT 139 Cloud Based 3D Modeling with Onshape (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: 20-23 Units

ENGINEERING DESIGN AND PRODUCTION TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

- ENGT 116 Blueprint Reading and Production (4 Units) Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing and Model Based Definition (4 Units) Completed
- ENGT 131 Design Fundamentals Including 3D Modeling (3 Units) Completed
- ENGT 237 Statics and Strength of Materials Using Simulation (3 Units) Completed
- ENGT 259 SolidWorks Introduction (4 Units) Completed
- MTT 131 Geometric Tolerance Inspection using Verisurf (3 Units) Completed

Select one Manufacturing Class:

- ENGT 111 Plastic Technology (3 Units) Completed
- ENGT 251 Composites Fabrication and Tooling (4.5 Units) Completed
- MTT 100 Machine Tool Introduction (2 Units) Completed
- WELD 100 Welding Fundamentals (2.5 Units) Completed
- WMT 101 Introduction to Woodworking (3 Units) Completed

Total Certificate Requirement: 23-25.5 units



STUDENT SUCCESS STORY

William Jarkow

Certificate: Engineering Design Technology



What made you come to Cerritos College and why?

I was in high school when I found out about the dual enrollment program. I was able to enroll in a class and receive college credits while still in high school. I jumped onto the opportunity and was able to enroll on the last day.

Were there challenges you had to overcome (personally or academically) to attend?

My mindset about college was diminished because of the pandemic. I'm not the best with virtual classes and I'm more of a hands-on traditional class type of student. I can focus better on being inside a classroom. It's more visually pleasing seeing things in person and how they're described than looking online at some photos. Since I was always home it was difficult to have discipline and manage my time.

Have any faculty/staff members helped you in particular?

It would have to be David Li. I had him for all my Engineering Design Technology classes and I love his teaching methods. He takes an interest in his students and helps students out one-on-one if needed. He noticed that I was more advanced in some sections of the book and was able to help me out when I first started to explore 3D printing.

What about your program has helped you succeed?

The program has helped me by having David as an instructor and the multiple resources that have been available to me. I'm more of a hands-on person and having a device that you are learning about in a textbook is great, but being able to interact with it and test your findings is way more than any book has ever taught me.

What are/were your plans after college?

I want to try and find an internship somewhere in manufacturing. I want to work for Relativity Space. It's a company that creates 3D-printed rockets and sends them off to space. They use metal 3D printing to make rocket silos and rocket engines.

Is there any advice you would like to give to a new student considering and/or entering the same field as you?

Despite your challenges and very ambiguous task to enter the field. Don't be deterred that you can't do it. I'm not the best at math and I'm still pushing through it. Despite your flaws, if you enjoy it then you will succeed.

Cerritos College is committed to providing an educational environment that is free from discrimination and harassment. We do not discriminate on the basis of race, color, national origin, sex, disability, age, or any other characteristic protected by law in any of our programs or activities. For more information regarding our policies, please contact our Director, Compliance, Diversity, & Title IX Coordinator at <https://www.cerritos.edu/hr/>



Technology

For more information on enrollment, please refer to the current class schedule or consult a counselor.
<https://www.cerritos.edu/techology>

