

# CADD/MANUFACTURING TECHNOLOGY CERTIFICATE OF SPECIALIZATION

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This Certificate-program is designed to introduce the various technologies used in manufacturing/advanced manufacturing, including new manufacturing technologies. This program is well-balanced between theoretical and practical aspects of manufacturing/advanced manufacturing.

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Understand principles of the current technology used in manufacturing.
- Apply the appropriate technology in manufacturing.
- Define the advantages and disadvantages of the application of "AI" in manufacturing.
- Work at an entry level in the metal-work industry.
- Perform their jobs in a safe manner.

## Certificate Requirements

| Code               | Title  | Units     |
|--------------------|--|-----------|
| CADD-115           | Engineering Graphics   | 3         |
| CADD-125/ENGR-125  | Solid Modeling Design (SW) <sup>1</sup>                          | 3         |
| CADD-140           | Introduction to Advanced CADD/<br>Manufacturing                  | 2         |
| CADD-141           | Introduction to Technology of Machine<br>Tools                   | 2         |
| CADD-150           | Occupational Work Experience in CADD<br>Technology/Manufacturing | 4         |
| <b>Total Units</b> |  | <b>14</b> |

<sup>1</sup> Students have also the opportunity to attain a certificate of "Certified SolidWorks Associate (CSWA)."

## Certificate of Specialization

Students who complete the requirements above qualify for a certificate in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.