

CADD/MANUFACTURING TECHNOLOGY CERTIFICATE OF SPECIALIZATION



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) ¹ | 3 |
| CADD-140 | Introduction to Advanced CADD/ Manufacturing | 2 |
| CADD-141 | Introduction to Technology of Machine Tools | 2 |
| CADD-150 | Occupational Work Experience in CADD Technology/Manufacturing | 4 |
| Total Units | | 14 |

¹ 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.