

Dear New Product Development student,

This handout has been designed to clarify the path to success. The Certificate of Achievement in this field consists of three semesters of study starting in the fall of an even year. You will enter the path in your first semester by taking the Introductory class in automotive repair (AUTO100) or automotive collision repair (AB51) as well as the introduction class to new product development (NPD100).

In the second semester, you will stay the path by learning about rapid prototyping (NPD101) and solid modeling with Solidworks (ENGT259). Your final class will be tooling and materials for new product development during the third semester. After completing the path, you will have the basic technical skills required to succeed in the profession. You can also obtain the Associate of Arts degree upon completion of your general education course requirements.



**NEW STUDENTS FIRST SEMESTER (FALL - EVEN YEARS)**

Course	Course Name	Semester Offered
AUTO 100 (4 units)	Automotive Maintenance and Operation [1,2]	Fall, Spring, and Summer
<b>OR</b> AB 51 (4.5 units)	Non-Structural Repair [2]	Fall, Spring, and Summer
NPD 100 (3 units)	Product Development in a Global Economy	Fall - Even years
<b>7-7.5 Units</b>	<b>2 Classes</b>	

**CONTINUING STUDENTS SECOND SEMESTER (SPRING - ODD YEARS)**

Course	Course Name	Semester Offered
NPD 101 (3 units)	Innovation Using Rapid Prototyping [1]	Spring - Odd years
ENGT 259 (4 units)	Solidworks Introduction [1,4]	Fall, Spring, and Summer
<b>7 Units</b>	<b>2 Classes</b>	

**CONTINUING STUDENTS THIRD SEMESTER (FALL)**

Course	Course Name	Semester Offered
NPD 103 (3 units)	Tooling and Materials for New Product Development	Fall - Odd years
<b>3 Units</b>	<b>1 Classes</b>	

\*None of the classes in this pathway have pre-requisites so classes can be taken in any order at the convenience of the student; the presented sequence is for information only.

**NOTES**

- 1-Classes are offered as "Credit By Exam"
- 2-Classes are usually offered during the evening
- 3-Classes are usually offered on Saturdays
- 4-Classes are usually online

Dear New Product Development student,

This handout has been designed to clarify the path to success. The Certificate of Achievement in this field consists of three semesters of study starting in the fall of an even year. You will enter the path in your first semester by taking the Introductory class in New product Development (NPD 100) as well as Programmable Logic Controllers in Automated Manufacturing (MTT111) and learn the basics of 3D design modeling (ENGT131).

In the second semester, you will stay the path by learning about rapid prototyping (NPD101) and variable frequency drives (MTT112). Your final classes will be tooling and materials for new product development (NPD103) as well as electronics for engineering technologists (ET102) during the third semester. After completing the path, you will have the basic technical skills required to succeed in the profession. You can also obtain the Associate of Arts degree upon completion of your general education course requirements.



**NEW STUDENTS FIRST SEMESTER (FALL - EVEN YEARS)**

Course	Course Name	Semester Offered
NPD 100 (3 units)	Product Development in a Global Economy [2]	Fall - Even years
MTT 111 (2 units)	Programmable Logic Controllers in Automated Manufacturing [2]	Fall - Even years
ENGT 131 (3 units)	Design Fundamentals Including 3D Modeling [1]	Fall Spring and Summer
<b>8 Units</b>	<b>3 Classes</b>	

**CONTINUING STUDENTS SECOND SEMESTER (SPRING - ODD YEARS)**

Course	Course Name	Semester Offered
NPD 101 (3 units)	Innovation Using Rapid Prototyping [1]	Spring - Odd years
MTT 112 (2 units)	Variable Frequency Drives in Automated Manufacturing [2]	Spring - Odd years
<b>5 Units</b>	<b>2 Classes</b>	

**CONTINUING STUDENTS THIRD SEMESTER (FALL - ODD YEARS)**

Course	Course Name	Semester Offered
NPD 103 (3 units)	Tooling and Materials for New Product Development [2]	Fall - Odd years
ET 102 (3 units)	Electronics for Engineering Technologists [1]	Fall - Odd years
<b>6 Units</b>	<b>2 Classes</b>	

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