



PRE-ENGINEERING

• Associate of Science

About The Program

The Pre-Engineering program is designed to provide the first two years of an engineering program whose credits will transfer to a college of engineering. Adjustments in the listed recommended program may be necessary to meet the requirements of other colleges or universities for special fields of engineering. Students should contact the institution they intend to transfer to ensure that they will have the necessary courses to transfer.

Admission Requirements

Students are admitted to the program each semester. Students must have Program approval, a completed application, and other required information submitted by the due date. If there are openings after the application deadline, remaining openings will be filled on a "first-come" basis.

Students are required to fulfill the following requirements:

- Fulfill all WCCCD admission requirements.
- Declare intent to enter the Pre-Engineering program on the WCCCD Admission Application or change intent at the Admissions Office.
- Fulfill course placement requirements based on COMPASS test.
- Students must complete WCCCD Program Applications during the second semester in which they are enrolled and submit them to the Campus Academic Officer.
- Students must complete all core course work with a grade of "C" or better to meet graduation requirements.

Associate of Science Degree Requirements

SEMESTER I

CHM 136 General Chemistry I	4
ENG 119 English I	3
MAT 171 Calculus I	4
Social Science Elective	3
TOTAL CREDITS	14

SEMESTER II

CIS 209 Programming Language	4
ENG 120 English II	3
MAT 172 Calculus II	4
Humanities	3
TOTAL CREDITS	14

SEMESTER III

MAT 271 Analytic Geometry & Calculus III	4
Natural Science Requirement	4
PHY 265 Physics for Scientists and Engineers I	4
TOTAL CREDITS	12

SEMESTER IV

Humanities	3
MAT 272 Linear Algebra	4
PHY 275 Physics for Scientist and Engineers II	4
SPH 101 Fundamentals of Speech	3
TOTAL CREDITS	14

SEMESTER V

MAT 273 Differential Equations	4
PS 101 American Government	3
Social Science Elective	3
TOTAL CREDITS	10

PROGRAM TOTAL CREDITS	64
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* Program totals may not include prerequisite work.

District Office

801 West Fort Street
Detroit, MI 48226

General Information Number:
(313) 496-2600

Career Program Hotline:
1-800-300-2118

Information Website:
www.wcccd.edu

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