

VIRGINIA WESTERN COMMUNITY COLLEGE
OFFICE OF DUAL ENROLLMENT
REGIONAL ACADEMY
ENGINEERING
Engineering CSC 221-831-01
Bridge Program to Engineering, A.S. Degree (831)
2023-2024

Monday – Friday

8:00 – 10:45 (refer to class schedule in SIS for actual times)

Two-Year Program designed for Juniors and Seniors in high school

**Refer to the VWCC Website for current tuition rates in effect at time of enrollment.*

Program Objectives: This program allows students to experience the exciting opportunities in engineering and prepare themselves for an associate of science degree in engineering, which is transferable to a four-year college or university to complete a baccalaureate degree.

Program Admission Requirements: High School GPA of 3.0+ and completion of Algebra II with a grade of “C” or higher

NOTE: Students will need to review the College Catalog to determine individual course pre-requisites and/or course requirements for the Engineering, A.S. Degree (831) and/or the Engineering CSC, 221-831-01. Degree progress can be found in the student’s MYVWCC SIS portal.

ACADEMY COURSES*

FIRST SEMESTER

MEC 195- Supervised Study in Robotics (2 CR)

MTH 167- Pre-Calculus with Trigonometry (5 CR)

SDV 101- Orientation to Engineering and Mathematics (2 CR)

SECOND SEMESTER

EGR 121- Foundations of Engineering (2 CR)

EGR 125- Introduction to Computer Programming for Engineers (4 CR)

MTH 263- Calculus I (4 CR)

THIRD SEMESTER

EGR 122- Engineering Design (3 CR)

EGR 240- Statics (3 CR)

ECO 201- Principles of Macroeconomics (3 CR) **or** ECO 202- Principles of Microeconomics (3 CR) **or** MTH 266- Linear Algebra (3 CR)

FOURTH SEMESTER

CHM 111- General Chemistry I (4 CR)

MTH 264- Calculus II (4 CR)

HIGH SCHOOL DUAL ENROLLMENT RECOMMENDED CLASSES

ENG 111

HIS 121/122

** The semester course schedule may be altered based on faculty and lab space availability at the college.*