

STEM/ HSI

1) STEM Core

STEM Core is a one-year STEM-preparatory program with an emphasis in math, designed to help students finish pre-requisite courses in order to major in the sciences. As a STEM Core student, you will become a part of a learning community that will provide STEM counseling, career advising, tutoring, and one-on-one support to get you ready to pursue a STEM degree.

<https://www.sdmesa.edu/academics/stemcore/index.shtml>

2) STEM Teacher Education

The San Diego Mesa College Teacher Education Program offers students who want to become STEM middle school and high school teachers the support and guidance necessary to follow this Teacher Ed Pathway. Our goal is to prepare students on this pathway at Mesa to become linguistically and culturally diverse STEM teachers who will teach at school districts in San Diego County.

<https://www.sdmesa.edu/academics/stem/stem-teacher-education.shtml>

3) STEM Innovation Research Lab (Engineering Workshops)

The goal of the IRL is to enhance and enrich student learning at Mesa College. Our program provides a creative and inclusive scientific environment where positive research experiences allow under-represented students to feel welcomed so that they become STEM majors at San Diego Mesa College.

Currently the IRL is hosting Virtual Mechatronic Workshops hosted by Prof. Hamidreza Ghasemi Bahraseman.

<https://www.sdmesa.edu/academics/stem/irl/index.shtml>

4) STEM Virtual Tutoring

STEM Tutoring is available via zoom in the Virtual STEM Center from 10am-7pm M-Th, 10-2 Fri. Through October 379 unique students have received support in more than 2,300 sessions. The most popular classes were Math116, Math 150, Chemistry 152, and Physics 195. New tutors have joined the team to help with students with both Accounting and Economics.

<https://www.sdmesa.edu/academics/stem/stem-center.shtml>

5) STEM Peer Mentoring

The STEM Peer Mentoring program was piloted in the Fall of 2018 under the HSI Title III Grant initiative with the goal of supporting STEM students in the STEM courses that have low success rates such as BIO 210A, CHEM 200 & 250, PHYS 195 & 196, MATH 150, 151 & 252. The STEM Peer Mentoring program aims to build a community of STEM majors and faculty that can support each other in their academic and professional goals. The intended outcome of this program is that students are more successful in their STEM classes and successfully move forward along their STEM pathway with increased confidence and motivation.

<https://www.sdmesa.edu/academics/stem/stem-mentors.shtml>