STEM CORE

PREPARE FOR CAREER IN CYBERSECURITY AND COMPUTER SCIENCE

Eligibility for the Program

1. Have an interest in pursuing a career in STEM even if you haven't declared a major.

2. Contact us at merritt.stem.core@gmail.com or call/text (650) 492-8155.

3. Fill out the STEM Core Interest Form at https://bit.ly/MerrittSTEMCore or scan the QR code below

Program Benefits

- Complete Math-1, Trigonometry and Calculus classes in 1 year
- Embedded tutoring and study group
- Priority registration in Math and CIS classes
- Help on resume and scholarship application
- Participate in STEM Core workshops to gain hands on experience
- Academic and social support
- Graphing calculator and textbooks loans

Internship and Field Trips

- Compete for paid cybersecurity and computer science summer internships with local employers including Lawrence Berkeley and Lawrence Livermore National Laboratories
- Visit local businesses and research institutions such as Tesla and Lawrence Berkeley Lab
- Attend Networking Conferences

GROWTH SECTOR

MERRITT COLLEGE

Merritt College

STEM CORE

Program Overview

STEM Core is a cohort-based learning community for students interested in pursuing career in technology and computer science. Program participants will take classes together, receive academic counseling, tutoring, intensive math preparation, and a chance to compete in paid tech internships. Students will explore careers in cybersecurity and computer science and be prepared to transfer to a 4-year computer science program in such as University of California Berkeley, UCLA, Stanford, Cal State East Bay, San Jose and San Francisco States and the like.

The STEM Core Model

STEM Core here at Merritt College is an accelerated math program that allows students to complete Pre-calculus, Trigonometry and Calculus classes in one year coupled with wrap-around support services to ensure student success.

Facts

- *STEM Core provides students the opportunity to connect with one another and creates a sense of belonging in the cohort.*
- *STEM Core allows students to explore different careers and meet people successful in their fields.*
- *Stem Core exposes students to industry standards that helps them choose their classes efficiently.*
- *Stem Core helps students to gain solid foundation in their math classes.*

Why Consider a Career in STEM?

- Industry demand: according to the Bureau of Labor Statistics, job opening in tech-related fields are projected to reach one million by 2024
- Competitive pay: The median salary for all STEM occupation is 87,570 almost double the national average for non-STEM majors

Types of STEM Careers

- Computer Science: Cybersecurity, Software Development, Information Technology, Data Analysis, AI and Machine Learning
- Engineering: Aerospace, Mechanical, Civil, Electrical, Chemical, Biomedical, Industrial
- Other: Mathematician, Physicist, Statistician, and more

Course Schedule
Fall 2019 (8/19/2019 - 12/13/2019)

	Monday	Tuesday	Wednesday	Thursday	Friday
1:00	Math 50 Trigonometry (3 units) 1:00-2:15PM		Math 50 Trigonometry (3 units) 1:00-2:15PM		
1:30					
2:00					
2:30		CIS – 6 Introduction to Programming (3 units) Lec 1:30-5:20PM Lab - Online			
3:00					
3:30					
4:00	Math-1 Pre-Calculus (4 units) 4:00-5:50pm		Math-1 Pre-Calculus (4 units) 4:00-5:50pm		
4:30					
5:00					
5:30					
6:00	Math 215 Support for Pre-Calculus (2 units) 6:00-6:50		Math 215 Support for Pre-Calculus (2 units) 6:00-6:50		
6:30					
7:00					

Spring 2019 (TBD)

Math 3A - Calculus I

CIS 33 - Software Architectures and Algorithms

General Education