SMET-SCIENCE/MATH/ENG/TECH

SMET 101. Introduction to Science, Mathematics, Engineering, and Technology
1 Credit (1)
An introductory course for science, mathematics, engineering, or technology students, emphasizing introduction to their disciplines. Development of critical thinking and academic success skills for technical disciplines, as well as degree planning for the major.

Learning Outcomes

1. Apply the scientific method of constructing and testing hypotheses.
2. Design and conduct an experiment using Radio Jove.
3. Apply astrobiological knowledge to solve human problems.
4. Develop competence in appropriate scientific laboratory techniques.

SMET 102. Introduction to Engineering Design.
1 Credit (1)
Fundamental concepts of engineering design developed through analysis of case studies and hands-on design projects.

Learning Outcomes

1. Identify assumptions within a given context and be able to predict outcomes through data analysis.
2. Obtain, interpret and analyze numerical information through the use of appropriate tables, diagrams, and algorithms.
3. Develop competency in conveying astrobiological knowledge through laboratory reports and/or written assignments following proper APA documentation style.
4. Design antenna configurations to increase the frequency of the radio Jove.

SMET 201. Research for Visiting Community College Students
1 Credit (1)
Research experience for visiting community college students. Consent of instructor required. Restricted to: Main campus only.

SMET 301. Undergraduate Research Assistantship
0.5 Credits (.5)
Undergraduate research experience in science, technology, engineering, and mathematics Consent of instructor required. Graded: S/U.