

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: SDV 101

Course Credits: 1

Course Title: Orientation to STEM Disciplines

Course Description: Introduces students to the skills which are necessary to achieve their academic goals, to services offered at the college, and to STEM disciplines (science, technology/computer science, engineering, and mathematics). Covers topics such as the following: services and resources at the college; the library; counseling and advising; listening, test taking, and study skills; learning styles; career and personal development; and topical areas which are applicable to the STEM disciplines. Lecture 1 hour per week.

General Course Purpose: To assist first-year students enrolled in a Science AS degree program in effectively transitioning into college and learning how to be successful in STEM majors.

Course Prerequisites and Co-requisites:

None

Course Objectives:

Upon completing the course, the student will be able to:

- a. Choose a STEM career field of choice and the academic program that will assist them in pursuing their selected career goal(s).
- b. List and successfully apply two techniques relating to each of the following college transition areas:
 1. note-taking
 2. test-taking
 3. reading comprehension
 4. time management
- c. List five campus resources that assist students, and how students may access the resources.
- d. List the specific educational and professional requirements associated with transfer into a four-year college or university in a STEM discipline.
- e. List the specific educational and professional requirements associated with admission into professional and/or graduate STEM programs after graduation from a Baccalaureate program.
- f. Select the appropriate academic program for their STEM career choices and course options for enrollment in subsequent terms and upon transfer to a four-year college or university.

Major Topics to Be Included:

- a. Career development
- b. Study skills and styles
- c. Policies and procedures of the institution
- d. Academic advising

Effective Date of Course Content Summary: April 22, 2014