

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** SDV 101

**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 transitioning into college effectively and learning how to be successful in STEM majors.

**Course Prerequisites and Co-requisites:**

None

**Student Learning Outcomes:**

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; and
- 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

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