

Virginia Western Community College
SDV 101
Orientation to Information Technology

Prerequisites

None

Course Description

Introduces students to the skills necessary to achieve their academic goals, services offered at the College, to the discipline in which they are enrolled, and to topics for students on academic probation. Covers topics such as services offered at the College including the learning resources center; counseling, and advising; listening, test taking, and study skills; and topical areas which are applicable to their particular discipline.

Semester Credits: 1 Lecture Hours: 1 Lab/Clinical/Internship Hours: 0**Required Materials****Textbook:**

None

Other Required Materials:

None

Course Outcomes**At the completion of this course, the student should be able to:****Career Exploration and Development:**

- The student will articulate three potential careers based on their interests, values and abilities.
- The student will select or confirm their preferred program of study based on their career exploration.
- The student will review the Virginia Education Wizard plan created in SDV100
- The student will complete Module 01 of the Cisco Introduction to IT course which includes the following Lesson Objectives:
 - Describe the job opportunities in the Information Technology workforce
 - Demonstrate the use of different sources for identifying IT job postings
 - Identify the major professions in the IT field
 - Identify the major Knowledge, Skills, and Abilities (KSA) associated with specific IT professions
 - Identify and analyze current IT job postings
- The student will complete Module 03 of the Cisco Introduction to IT course which includes the following Lesson Objectives:
 - Describe the benefits of creating a personalized career pathway

- List the steps and tools that can be useful in building a career pathway
- Explain the concepts of career pathways
- Describe the choices that make up a personalized career pathway
- Describe the difference between knowledge skills and abilities
- Identify the major knowledge, skills, and abilities associated with specific IT professions

Academic Planning:

- The student will complete Module 04 of the Cisco Introduction to IT course which includes the following Lesson Objectives:
 - Describe possible ways to get workforce experience (internships) while still in school
 - Analyze the potential for college articulation or transfer programs and requirements to upper division schools
 - Complete a personalized study plan and pathways to a career in the Information Technology profession
- The student will be able to distinguish between university parallel/transfer and applied programs.
- The student will select the appropriate curriculum and electives within that curriculum based on their career goal(s).
- The student will identify all courses required for completion of program and understand both course and program pre-requisites
- The student will develop an academic plan.

Social/Interpersonal:

- The student will articulate three ways individuals are diverse and how diversity impacts society.
- The student will identify three elements of effective communication.

CS/IT specific:

- The student will explore possible Industry credentials and which courses align to which credential. A certification plan will be created. The student will become aware of the Academy opportunities that we offer at Virginia Western. Included will be Module 02 of the Cisco Introduction to IT course which includes the following Lesson Objectives:
 - Compare and contrast academic credentials for the IT workforce
 - Identify major IT professional organizations
 - Identify industry certifications that align to specific IT careers
 - Identify and describe the major IT industry certifications
- The student will become aware of the software and hardware requirements in the CS/IT program and those used in the job field.
- The student will become familiar with at least one professional currently working in the IT field and explore the requirements and duties of that person's CS/IT job.

Topical Description

1. **Academic Career Plan:** Students will plan and organize a semester by semester class plan thru the date of their graduation or attainment of their credential.
2. **Higher Education Transfer:** Students will select a "transfer" institution that they will or would transfer to after their academic stay at VWCC. At that higher education facilities they will contact

the admissions office and the department of the area of study/major they are interested in and receive detailed advising and class planning directly from a “real” person (i.e. program head), you will attain a detailed explanation of what classes will be allowed to transfer into the new higher education program. You will bring a printed copy of that info to class to discuss.

3. **Core IT skills:** Explain and detail the core software and hardware skill set required for our CS/IT program.
4. **Computer Science and Information Technology Career Planning:** The student will complete the Cisco Introduction to IT Course

Notes to Instructors

- The course will be delivered in a hybrid format. All material for the Cisco Introduction to IT modules will be delivered online.