

ISTC 110
INTRODUCTION TO INTEGRATED SYSTEMS TECHNOLOGY
3 Semester Hours

The Community College of Baltimore County

Description

Introduction to Integrated Systems Technology

Provides an introduction to the traditional courses and a sampling of several of the technical content areas.

Prerequisite: (ENGL 052 or LVE 2) or (ESOL 052 or LVE 2), (RDNG 052 or LVR 2), (MATH 082 or LVM 2)

Overall Course Objectives.

Upon completion of this course the student will be able to:

1. Acquire an understanding of the rationale for the Integrated Systems Technology Program.
2. Acquire an introductory knowledge of the work description of an integrated systems multi-crafted technician.
3. Solve problems independently and/or participate with other team members in determining alternative solutions (problem solving and people skills.)
4. Utilize manual dexterity to work towards solutions(manual skills).

Major Topics

- I. Understand the complex systems involved in manufacturing and industry.
- II. Facilitating the evaluation of industrial systems including performance characteristics and limited test resources.
- III. Planning test programs and select test objectives.

Course Requirements

Grading: Grading procedures will be determined by the individual faculty member but will include the following:

1. Participation and attendance.
2. One written exam – final exam.
3. Assignment to one out of class team project.
4. One in class lab demonstration (Team Project).
5. A minimum of two written assignments.

Other Course Information

This is an ISTC core course.