

ISTC 115
FUNDAMENTAL CONCEPTS OF INTEGRATED SYSTEMS
TECHNOLOGY
3 Semester Hours

The Community College of Baltimore County

Description

Fundamental concepts of Integrated Systems Technology

Provides the opportunity to exercise theories and concepts experienced in the previous Integrated Systems Technology course work and provide a platform for the exposure to working with Computer Aided Design (CAD) through laboratory projects.

Prerequisite: ISTC 110, ENGL 101, MATH 105

Overall Course Objectives.

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

1. Demonstrate proficiency with CADD systems.
2. Successfully work in a team setting to analyze system problems.
3. Apply knowledge and concepts from ISTC 110 to projects and models in a team setting.

Major Topics

- I. Equipment and machinery designs.
- II. Testing parameters.
- III. Problem solving in a group setting.
- IV. Cost and estimation
- V. Model/project analyzation (problems and alternative solutions.)

Course Requirements

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

1. Participation and attendance.
2. Demonstrations of student ability to use CADD systems.
3. Demonstration through minor team projects of the students ability to work with a team project in a team setting.
4. Minimum of one written exam – final exam.

Other Course Information

This course is an ISTC core course.