

**ISTC 201**  
**APPLICATION OF INTEGRATED SYSTEMS TECHNOLOGY TO**  
**INDUSTRY**  
**(AN APPLIED TEAM PROJECT)**  
**3 Semester Hours**

**The Community College of Baltimore County**

**Description**

Application of Integrated Systems to Industry (AN APPLIED TEAM PROJECT)

Provides the platform for the design and cost and estimation to build, test and analyze a successful computer simulated model project, related to industrial manufacturing and maintenance environments. (This will be a program exit requirement)

Prerequisite: ISTC 110, ISTC 115

**Overall Course Objectives**

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

1. Demonstrate an understanding of the rationale and concepts for Integrated Systems Technology in manufacturing and industry.
2. Demonstrate an ability to use computer aided design techniques while working in problem solving situations in a team setting.
3. Solve problems related to business and industry and develop alternative solutions.
4. Build through a team effort a model for industry and manufacturing. Test this project and analyze the project's success or failure using the team concept.

**Major Topics**

- I. Development of the team
- II. Selection of the team project.
- III. Development of procedures for accomplishment of the team project.
- IV. Testing of the team project.
- V. Presentation and analyzation of the project by the team. (Success or Failure).
- VI. Presentation by the team of suggested corrections or improvements.

**Course Requirements**

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

1. Participation and attendance.
2. Minimum of three class/lab presentations.
3. Construction of a computer based model through a team effort and presentation and analyzation of that project.

**Other Course Information**

This course is an ISTC core course.