

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Computer-Aided Drafting/Design
Certificate of Achievement

Curriculum Code: 0145 (Effective Fall 2005 – Summer 2010)

This curriculum has been identified by local industry as comprising the minimal requirements needed for employment consideration. Students completing this curriculum are eligible to apply for entry-level computer-aided drafting and detailing positions.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Manufacturing Engineering Technologies Department, West Campus Building, Room M103, telephone number (517) 483-1339.

REQUIREMENTS (See Note 1)

CODE	TITLE	TOTAL: 27 CREDITS CREDIT HOURS
CADD101	Mechanical CAD Drafting I	4
CADD103	Geometric Dimension and Tolerancing	4
CADD105	PC Applications for Technology	3
CADD112	Mechanical CAD Drafting II	4
CADD270	Detailing Assembly Drawings	4
PMMT100	Manufacturing Processes	4
PMMT105	Machine Tool Survey	4

LIMITED CHOICE REQUIREMENTS

TOTAL: 8 CREDITS

Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: Computer Graphics (Choose one subchoice. See Note 2)

8 Credits

Subchoice 1A

CADD222	Basic Autodesk Inventor	4
CADD223	Advanced Autodesk Inventor	4

Subchoice 1B

CADD242	Unigraphics Basic	4
CADD243	Unigraphics Advanced	4

MINIMUM TOTAL

35

NOTES:

1. Basic mechanical drafting skills are necessary to begin this curriculum and may be demonstrated by a score of 80% or better on the Drafting Placement Test or by passing CADD100 with a 2.0 minimum grade.
2. The Computer Graphics series (8 credits) may be replaced by another approved computer graphics software package available through the CADD Program. See a CADD program advisor for more information.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I	II	III	IV
CADD101	CADD103	CADD270	Lim. Ch.
CADD105	CADD112	Lim. Ch.	
PMMT100	PMMT105		