

NAME: _____

I.D.# _____

2011-12
CAD/MECHANICAL DESIGN TECHNOLOGY
Associate in Applied Science Degree

This program prepares students for careers as drafters, mechanical designers, and CAD technicians. Areas of potential employment include drafter, detailer, layout designer, design technician, CAD operator, and CAD technician. The courses emphasize basic drafting and drawing skills, design and analysis of mechanisms and mechanical parts, and the use of CAD systems to draw, design, and analyze mechanical devices.

GENERAL EDUCATION CORE (20 credits)

Area A: Communication (6 credits)

_____ ENG 101 3 cr Composition I - grade of C or better (*Prereq. English Placement Test or ENG 099 with C or better*)
 _____ COMM 101 3 cr Principles of Communication (*Prereq. Placement in ENG 099 or above*)

Area B: Humanities and Fine Arts (3 credits)

_____ _____ 3 cr Select one course from: ART 121, 122, 126, 129, 131; ENG 211, 212, 215, 221, 231, 232, 240, 243, 252, 256, 261, 262, 271; HUMAN 101, 102, 201, 202; MUSIC 130, 132; PHILO 201, 202, 203, 204, 205; SPAN 202; THTRE 101.

Area C: Mathematics (4 credits)

_____ TECH 109 4 cr Technical Mathematics I (*Prereq. High school algebra with C or better*)

Area D: Physical and Life Sciences (4 credits)

_____ TECH 221 4 cr Technical Physics I (*Prereq. TECH 109*)

Area E: Social and Behavioral Science (3 credits)

_____ _____ 3 cr Select one course from: ANTHR 215, 222; ECON 201, 202; GEOG 101; HIST 111, 112, 115, 116, 140, 151, 152, 201, 202; POLSC 101, 140, 152, 230, 240; PSYCH 101, 102, 215; SOCIO 101, 111, 210, 215, 220.

PROGRAM REQUIREMENTS (41 credits)

_____ CADMD 141 3 cr Technical Drafting I
 _____ CADMD 201 3 cr Mechanical Layout and Design I (*Prereq. CADMD 141*)
 _____ CADMD 203 4 cr Statics and Strength of Materials (*Prereq. TECH 109*)
 _____ CADMD 243 3 cr Introduction to Auto CAD (*Prereq. CADMD 141*)
 _____ CADMD 244 3 cr Intermediate AutoCAD (*Prereq. CADMD 243*)
 _____ CADMD 245 3 cr Computer Aided Design (*Prereq. CADMD 244*)
 _____ MT 101 3 cr Metal Working Processes I
 _____ MT 102 3 cr Metal Working Processes II (*Prereq. MT 101*)
 _____ MT 210 3 cr CNC Programming I (*Prereq. MT 102*)
 _____ MT 211 3 cr CNC Programming II (*Prereq. MT 210*)
 _____ TECH 110 3 cr Technical Mathematics II (*Prereq. TECH 109*)
 _____ TECH 222 3 cr Technical Physics II (*Prereq. TECH 109*)
 _____ ELECTIVE 2 cr Select 2 credits from the following courses:
 ___ CADMD 246 (2) Architectural Desktop (*Prereq. CADMD 243*)
 ___ CADMD 247 (2) Mechanical Desktop (*Prereq. CADMD 244*)

PROGRAM TOTAL (61 credits)

_____ Successfully completed at least 15 semester hours of credit at PSC (excluding proficiency credits).
 _____ Attained a minimum gpa of 2.0 in all PSC courses. **Current cumulative GPA:** _____
 _____ Filed appropriate evidence of high school graduation or GED certificate with the Office of Enrollment Services.
 _____ Filed a **Graduation Petition Form** with the Office of Enrollment Services.
Deadline for filing: October 1 for Winter, March 1 for Spring, July 1 for Summer. (*December, May & August candidates may choose to participate in the annual May Commencement Ceremony. Deadline to apply for ceremony is March 1st*)

	Required	Completed	In Progress	Needed
General Education Core:	20 credits	_____	_____	_____
Program Core Requirements:	41 credits	_____	_____	_____
TOTAL CREDITS:	61 credits	_____	_____	_____

Advised By: _____
SIGNATURE: Counselor or Advisor or Faculty Advisor

Date: _____

This is an UNOFFICIAL evaluation. Official Evaluations must be requested in the Office of Enrollment Services

IMPORTANT PSC GRADUATION POLICIES

1. If the degree or certificate requirements are changed during your continuous attendance, you may elect to satisfy either the new requirements or the ones in force when you enrolled.
2. If you withdraw from Prairie State College for either a fall or spring semester, you must satisfy requirements in force at the time you re-enroll.
3. **Requests for COURSE SUBSTITUTIONS** in the program must be directed to the Program Coordinator. A Course Substitution Form must be signed by the Program Coordinator and submitted to the Office of Enrollment Services at least one semester prior to graduation.
4. Petitions for alteration of other graduation requirements must be submitted on a Student Appeal Form at least one semester prior to graduation.

DIVISION OF CAREER & TECHNICAL EDUCATION

Program Coord:	Dale Ballard	Room 2188	(708) 709-3769	dballard@prairiestate.edu
Dept. Chair:	Tom Michalak	Room T-145	(708) 709-7807	tmichalak@prairiestate.edu
Division Dean:	Marie Hansel	Room 2241	(708) 709-3648	mhansel@prairiestate.edu

CAREER PLANNING/PLACEMENT INFORMATION:

Occupational Outlook Handbook, U.S. Department of Labor: <http://www.bls.gov/oco/home.htm>

Employment opportunities: www.collegecentral.com/prairiestate