



**Mechanical Drafting & Design Diploma  
Program Course Requirements  
2010-2011**  
*revised 3/29/10*

**Student Name** \_\_\_\_\_ **Student ID#** \_\_\_\_\_

Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
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**REQUIRED COURSES**

___ MATH 1500	Applied Math (on campus)	3	3	0
Or MATH 1470	College Algebra (web based)	3	3	0
Or MATH 1506	Beginning College Algebra (web based)	4	4	0
Or	Instructor Approved Substitute			

___ MDFT 1104	Theory of Shape Description	4	1	6
___ MDFT 1110	Intro to Parametric Modeling	2	1	2
___ MDFT 1121*	Engineering Drawings	5	1	8
___ MDFT 1136*	Sections & Auxiliary Views	4	1	6
___ MDFT 2101	Specialized Drawing & Dimensioning	4	1	6
___ MDFT 2114	Basic Solid Modeling	4	1	6
___ MDFT 2116*	Geometric Dimensioning & Tolerancing	3	2	2
___ MDFT 2161*	Plastic Design	4	1	6
___ MDFT 2164*	Sheetmetal Design	3	1	4
___ MDFT 2176*	Machine Design	4	1	6
___ MTRD 1265	CNC Prog. and Process Planning (on campus)	2	2	0
Or CMAE 1510	Center of Excellence Print Reading (web-based)		2	0
___ RAST 1110	Intro to Manufacturing (on campus)	2	1	2
Or CMAE 1518	Center of Excellence Mfg. Processes (web)	2	2	0
	<b>Total</b>	<b>44</b>		

**GRADUATION REQUIREMENT** **44**

\*Denotes Prerequisites

In order to receive a degree, diploma, or certificate from Central Lakes College, students must complete one-third of their credits at Central Lakes College. For programs exceeding 60 credits, a maximum of 20 semester credits must be completed at Central Lakes College.

**Evaluator** \_\_\_\_\_ **Date** \_\_\_\_\_



A COMMUNITY & TECHNICAL COLLEGE

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Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
<b>FALL SEMESTER</b>				
MATH 1500	Applied Math	3	3	0
Or MATH 1470	College Algebra (web based)	3	3	0
Or MATH 1506	Beginning College Algebra (web based)	4	4	0
Or	Instructor Approved Substitute			
MDFT 1110	Intro to Parametric Modeling	2	1	2
MDFT 1121*	Engineering Drawings	5	1	8
MDFT 1104	Theory of Shape Description	4	1	6
MTRD 1265	CNC Programming and Process Planning	2	2	0
Or CMAE 1510	Center of Excellence Print Reading (web-based)	2	2	0
RAST 1110	Intro to Manufacturing	2	1	2
Or CMAE 1518	Center of Excellence Mfg. Processes (web)	2	2	0
<b>Total</b>		<b>18</b>		
<b>SPRING SEMESTER</b>				
MDFT 1136*	Sections & Auxiliary Views	4	1	6
MDFT 2101	Specialized Drawing & Dimensioning	4	1	6
MDFT 2114	Basic Solid Modeling	4	1	6
MDFT 2116*	Geometric Dimensioning & Tolerancing	3	2	2
MDFT 2164*	Sheetmetal Design	3	1	4
<b>Total</b>		<b>18</b>		
<b>SUMMER SEMESTER</b>				
MDFT 2161*	Plastic Design	4	1	6
MDFT 2176*	Machine Design	4	1	6
<b>Total</b>		<b>8</b>		
<b>GRADUATION REQUIREMENT</b>		<b>44</b>		

\*Denotes Prerequisites

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