



Engineering AS
Program Course Requirements
2010-2011
revised 3/29/2010

Student Name _____ **Student ID#** _____

Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
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REQUIRED COURSES

__ ENGR	1500	Introduction to Engineering	2	2	0
__ ENGR	1411	Engineering Physics I	5	4	2
__ ENGR	1412	Engineering Physics II	5	4	1

Students must take an additional 21 credits from the following list:

Note: The courses students select in this area may be dependent upon the college/university and major they choose.

__ BIOL	1431	General Biology I	5	3	4
__ CHEM	1425	Chemical Principles II	5	4	2
__ ECON	2401	Principles of Economics–Macro	3	3	0
__ ECON	2402	Principles of Economics–Micro	3	3	0
__ ENGR	1560	Digital Logic Design	3	2	2
__ ENGR	2547	Statics	3	3	0
__ ENGR	2548	Dynamics	3	3	0
__ ENGR	2549	Mechanics of Materials	3	3	0
__ ENGR	2569	Circuits Analysis I	4	3	2
__ ENGR	2570	Circuits Analysis II	3	3	0
__ MATH	2457*	Linear Algebra	3	3	0
__ MATH	2458*	Multivariable Calculus	4	4	0
__ MATH	2459*	Differential Equations	4	4	0
__ MDFT	1356	Engineering Graphics	2	1	2
Total			33		

GENERAL EDUCATION

__ ENGL	1410	Composition I	4	4	0
__ CHEM	1424	Chemical Principles I	5	4	2
__ MATH	1477	Calculus I	5	5	0
__ MATH	1478	Calculus II	5	5	0

Students must also take a minimum of (12) credits from any three (3) of the following goals of the MN General Education Transfer Curriculum: 5, 6, 7, 8, 9, or 10.

Note: The courses students select in this area may be dependent upon the college/university and major they choose.

__ Additional General Education credits			12		
Total			31		

GRADUATION REQUIREMENT 64

*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.

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3/10

Evaluator _____ **Date** _____