

**PLAN OF STUDY FORM - 2003/2004**  
**MECHANICAL ENGINEERING**  
**TAC/ABET ACCREDITED - KB62**  
ASSOCIATE IN SCIENCE DEGREE  
CREDITS REQUIRED ☐ 66-68

**THREE RIVERS COMMUNITY COLLEGE**

NAME: \_\_\_\_\_  
First Last

STUDENT ID# \_\_\_\_\_

Advanced Credits:

Transfer Credits \_\_\_\_\_  
#CLEP/DANTES \_\_\_\_\_  
#Credit by Exam \_\_\_\_\_  
#APL Credits \_\_\_\_\_  
#Military Credits \_\_\_\_\_

Name(s) of transfer college(s) \_\_\_\_\_

# A combined maximum of 30 credits may be used to satisfy degree requirements

<i>Course ID</i>	<i>Title of Course</i>	<i>Credits</i>	<i>Semester Completed</i>	<i>To Be Completed</i>
<b>SEMESTER I</b>				
ENG K111°	College Composition	3	_____	_____
MEC K1110°	Fundamentals of Engineering Graphics	1	_____	_____
MEC K1111°	Fundamentals of Engineering Graphics Lab	2	_____	_____
MFG K1100	Manufacturing Processes	3	_____	_____
MFG K1101	Manufacturing Processes Lab	1	_____	_____
	<b>TOTAL</b>	<b>10</b>		
<b>SEMESTER II</b>				
ENG K225°	Writing in the Workplace	3	_____	_____
ENG K131°	Introduction to Speech Communication	3	_____	_____
MAT K141°	Precalculus	4	_____	_____
MEC K1106°	Introduction to Structural Mechanics	3	_____	_____
MEC K1107°	Introduction to Structural Mechanics Lab	1	_____	_____
PHY K120°	Heat, Sound, Light	4	_____	_____
	<b>TOTAL</b>	<b>18</b>		
<b>SEMESTER III</b>				
CAD K1200	Computer-Aided Drafting	1	_____	_____
CAD K1201	Computer-Aided Drafting Lab	2	_____	_____
EET K2104°+	Electrical and Power Systems Fundamentals	3	_____	_____
EET K2105°+	Electrical and Power Systems Fundamentals Lab	1	_____	_____
MAT K151°	Calculus I	3-4	_____	_____
	or			
MAT K156°	Calculus I for Technologies		_____	_____
MEC K2120°	Strength of Materials	3	_____	_____
MEC K2122°	Materials Science	3	_____	_____
MEC K2123°	Materials Science Lab	1	_____	_____
MEC K2166°	Computer-Aided Engineering	1	_____	_____
MEC K2167°	Computer-Aided Engineering Lab	2	_____	_____
	<b>TOTAL</b>	<b>20-21</b>		
<b>SEMESTER IV</b>				
MEC K2124°	Fluid Mechanics	3	_____	_____
MEC K2142°	Thermal Sciences Lab	1	_____	_____
MEC K2130°	Machine Design	3	_____	_____
MEC K2131°	Machine Design Lab	2	_____	_____
MEC K2162°	Thermodynamics	3	_____	_____
_____	Humanities/Social Sciences Elective	3	_____	_____
_____**	Technical Elective	2-3	_____	_____
_____	Technical Elective Lab	1	_____	_____
	<b>TOTAL</b>	<b>18-19</b>		
	<b>GRAND TOTAL</b>	<b>66-68</b>		

° Course has a prerequisite. Students should check course description.

\*\* The technical elective may include additional CAD courses or specialized courses such as Welding Engineering Applications (with approval of Program Coordinator).

+ May substitute another electrical elective with prior approval of Program Coordinator.

**PLAN OF STUDY REVIEWED BY:**

Advisor \_\_\_\_\_ Date \_\_\_\_\_

Student \_\_\_\_\_ Date \_\_\_\_\_

**Graduation Audit Completed by:**

Signature \_\_\_\_\_ Date \_\_\_\_\_

## **PLAN OF STUDY GUIDELINES**

The College reserves the right to modify this Plan of Study in subsequent academic years. Each student has the responsibility to insure that he/she completes all courses required for graduation, completes prerequisites for required courses, and completes all other requirements of the College as explained in the College Catalog.

### **ACADEMIC ADVISEMENT PROCESS**

Students are required to meet with their advisor early in their first semester of enrollment. It is the student's responsibility to seek out information concerning program requirements. This may be done with the help of their advisor, the Department Chairperson, the Program Coordinator, the Counseling staff, or individual faculty members. While each student is assigned to an Academic Advisor, ultimate responsibility for meeting program requirements lies with the individual student. Students are encouraged to initiate and maintain close contact with their Academic Advisor throughout their program enrollment. A Plan of Study Form signed by a student and academic advisor must be presented when registering for second semester courses.

### **PROGRAM REQUIREMENTS**

Students have the option of meeting the degree or certificate program requirements listed in the College Catalog under which they initially enrolled or the requirements as listed in the current catalog. [EXCEPTION]: Students who have a two-year or more lapse in enrollment must meet the program requirements in effect at the time of re-enrollment at the College or the requirements as listed in the current catalog.

### **COURSE PREREQUISITES**

All prerequisites to courses listed in the College catalog must be met by students prior to registration in those courses. If, however, students consider that they have the equivalent of a prerequisite listed for a given course, they may present evidence to the instructor, and may register for the course if written consent is filed by the instructor in the Registrar's Office.

### **COURSE SUBSTITUTION**

Any substitution of a course or courses for those listed as requirements for a degree or certificate must be approved by either the Department Chairperson or Academic Program Coordinator and submitted to the Registrar. Contact your advisor or the Director of Counseling for additional information.

### **GRADUATION REQUIREMENTS**

All students should schedule a graduation review with their Academic Advisor before registering for their final semester in a degree or certificate program. Eligible students must fill out a graduation application form and pay the appropriate fee by the date published in the academic calendar.

To be eligible for graduation with an Associate in Science, Arts or Applied Science degree or a Certificate from the College, the student must:

1. Fulfill all of the program course requirements in an approved program and have achieved at least a 2.0 cumulative grade point average.
  - a. In addition, Associate Degree candidates must complete a minimum of sixty credits in college level courses in an approved Plan of Study with no more than twelve credits carrying a "P" grade and complete a basic computer literacy requirement.
2. Successfully complete at least 50% of courses attempted. At least 25% of credits earned must have been completed at Three Rivers CC.
3. Fulfill all financial obligations to the institution.
4. Fulfill other requirements consistent with policies of the Board of Trustees which may apply.