

**PLAN OF STUDY FORM - 2011/2012**
**THREE RIVERS COMMUNITY COLLEGE**

**MECHANICAL ENGINEERING  
TECHNOLOGY †- KB62**  
ASSOCIATE IN SCIENCE DEGREE  
CREDITS REQUIRED — 67-68

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

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

Advanced Credits:

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

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

# 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* K101°	Composition	3	_____	_____
MAT* K137°	Intermediate Algebra	(3)	_____	_____
MEC* K152°	Fundamentals of Engineering Graphics	1	_____	_____
MEC* K153°	Fundamentals of Engineering Graphics Lab	2	_____	_____
MFG* K102	Manufacturing Processes	3	_____	_____
MFG* K103	Manufacturing Processes Lab	1	_____	_____
PHY* K114°	Mechanics	(4)	_____	_____
TCN* K105	Laser and Lab Safety	1	_____	_____
	<b>TOTAL</b>	<b>11</b>		
<b>SEMESTER II</b>				
CAD* K106	Computer-Aided Drafting	1	_____	_____
CAD* K107	Computer-Aided Drafting Lab	2	_____	_____
CSA* K105	Introduction to Software Applications	(3)	_____	_____
COM* K173°	Public Speaking	3	_____	_____
ENG* K202°	Technical Writing	3	_____	_____
MAT* K186°	Precalculus	4	_____	_____
MEC* K114°	Statics	3	_____	_____
PHY* K115°	Heat, Sound, Light	4	_____	_____
	<b>TOTAL</b>	<b>20</b>		
<b>SEMESTER III</b>				
EET* K105°+	Electric Circuits and Systems	3	_____	_____
EET* K106°+	Electric Circuits and Systems Lab	1	_____	_____
MAT* K254°	Calculus I	4	_____	_____
MEC* K231°	Computer-Aided Engineering	1	_____	_____
MEC* K232°	Computer-Aided Engineering Lab	2	_____	_____
MEC* K250°	Strength of Materials	3	_____	_____
MEC* K252°	Strength of Materials Lab	1	_____	_____
MEC* K262°	Materials Science	3	_____	_____
MEC* K263°	Materials Science Lab	1	_____	_____
	<b>TOTAL</b>	<b>19</b>		
<b>SEMESTER IV</b>				
MEC* K241°	Thermodynamics	3	_____	_____
MEC* K270°	Introduction to Fluid Mechanics	3	_____	_____
MEC* K275°	Thermal Sciences Lab	1	_____	_____
MEC* K281°	Machine Design	3	_____	_____
MEC* K282°	Machine Design Lab	2	_____	_____
	<a href="#">Humanities/Social Sciences Elective</a>	3	_____	_____
_____**	Technical Elective	2-3	_____	_____
	<b>TOTAL</b>	<b>17-18</b>		
	<b>GRAND TOTAL</b>	<b>67-68</b>		

( ) Course is considered a prerequisite for this technology program.

° 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 EET\* K144/145 Fundamentals Electric Circuits and Machines/Lab.

† Program is accredited by the  
Technology Accreditation Commission of ABET  
111 Market Place, Suite 1050, Baltimore, MD 21202-4012  
Telephone: (410) 347-7700

**PLAN OF STUDY REVIEWED BY:**

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

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

**Graduation Audit Completed by:**

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

## **TECHNOLOGY ELECTIVES**

### **SOCIAL SCIENCE**

Anthropology  
Criminal Justice (Not 124, 220, 225, 291)  
ECE (182, 215 & 225 ONLY)  
Economics  
History  
Human Services (not 281)  
Geography  
Political Science  
Psychology  
Sociology  
Social Science

### **HUMANITIES**

Art (including ARC 102)  
Communication(not COM109&121)  
English(not 100,101,102,202& 296)  
Foreign Language  
Graphic Arts  
Literature  
Music (Including ANT 136)  
Philosophy  
Sign Language  
Theater

## **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 or registration card signed by an academic advisor must be submitted when registering for courses until 12 credits are earned at TRCC.

### **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 the Academic Dean. 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.  
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.
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.