



ARTICULATION GUIDE

Macomb Community College- Electronic Engineering Technology LTU – Bachelor of Science in Engineering Technology Based on MCC 2007-08 Catalog and LTU 2005-07 Catalog

Macomb Community College: Associates Degree Requirements (71 cr. hrs.)

1st Semester	Hrs	3 rd Semester	Hrs
ELEC 1161 <i>Electronic Technology 1</i>	3	ELEC 1221 <i>Microcontrollers - Robotic Applications</i>	3
ELEC 1171 <i>Electronic Technology 2</i>	3	EETE 2010 <i>Analog Instrumentation & Transducer</i>	3
TMTH 1150 <i>RCL Analysis</i>	4	EETE 2270 <i>Microcontroller Programming</i>	3
Arts & Sciences Group IA: (English Comp)		Arts & Sciences Group II: (Math/Science)	
ENGL 1180 or 1210: <i>Communication 1or Comp 1</i>	3-4	PHYS 1180 <i>Recommended by LTU</i>	4
		Arts & Sciences Group V: (Physical Ed)	
		Any PHED Wellness Course- 2000 or above	2
2 nd Semester	Hrs	4 th Semester	Hrs
ELEC 1181 <i>Semi Conductor Theory & Device</i>	3	EETE 2400 <i>Microprocessor Interfacing</i>	3
ELEC 1191 <i>Intro Op-Amps Linear Integrated Circuits</i>	3	EETE 2490 <i>Instrumentation 2</i>	3
MATH 1000 <i>Intermediate Algebra</i>	4	EETE 2280 <i>Auto Control Devices & Systems 1</i>	3
ELEC 1211 <i>Digital Electronics Basics</i>	3	EETE 2290 <i>Auto Control Devices & Systems 2</i>	3
Arts & Sciences Group IB: (English Comp)		Arts & Sciences Group III: (Soc. Science)	
ENGL 1190 or 1220: <i>Communication or Comp 2</i>	3-4	A class in one of the following disciplines:	4
Arts & Sciences Group IV: (Humanities)		ANTH, ECON, GEOG, HIST, POSC, PSYC,	
A Class in one of the following disciplines:	4	SOCY, SOSC	
ARTT, Foreign Languages, HUMN, MUSC, PHIL			
Additional Coursework		Transfer to LTU as:	
MATH 1420 <i>College Algebra</i>	3	MCS 1113 <i>Technical Math 1</i>	3
MATH 1430 or 1450	3	MCS 1123 <i>Technical Math 2</i>	3
MATH 1370 or 1760	4	MCS 2313 <i>Technical Calculus</i>	3
MATH 1340 <i>Statistics</i>	4	MCS 2023 <i>Statistical Methods</i>	3
PHYS 1190 <i>College Physics 2</i>	4	PHY 1083 + 1101 <i>Technical Physics 2 + Lab</i>	4
CHEM 1050 <i>Introduction to General Chemistry</i>	4	CHM 3144 <i>Fundamentals of Chemistry</i>	4
ECON 1160 <i>Principles of Economics 1</i>	3	SSC 2303 <i>Basic Economics</i>	3
Two Humanities Courses**	6	LLT 1213 + 1223 <i>World Masterpieces 1+ 2</i>	6
One Social Science Course**	3	SSC 2423 <i>Development of the American Exp</i>	3
MGMT 1010 <i>Principles of Management</i>	3	MGT 2203 <i>Management & Supervision</i>	3
**Please refer to MACRAO guidelines or transfer guide sheet to find transferable courses for Humanities and Social Science courses. The MACRAO Math requirement is met by taking a course above.			



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Completion of the BSET Degree at LTU	Cr Hrs
Technology Core	23
HRM 4013 <i>Employee Management Relations</i>	3
OPM 3113 <i>Operations Management</i>	3
TIE 2063 <i>Manufacturing Processes</i>	3
TIE 2163 <i>Engineering Economics</i>	3
TIE 4115 <i>Senior Project</i>	5
TME 4103 <i>Engineering Materials 2</i>	3
TME 2053 <i>Dynamics</i>	3
or	
TME 3113 <i>Operations Management</i>	3
Remaining Arts & Sciences Courses	9
MCS 1023 <i>Technical Computer Applications</i>	3
MCS 2323 <i>Applied Differential Equations</i>	3
LLT/SSC/PSY <i>JR/SR Elective</i>	3
Notes: COM 3000: Writing Proficiency Exam Must be taken during the first semester at LTU. COM 1001: University Seminar Articulation agreement participants are excused from this requirement.	
Credits Taken at Macomb =	101-103
Credits Transferred to LTU =	93
Minimum Credits at LTU =	32
Minimum Credits to Graduate =	125