

**LAWRENCE TECHNOLOGICAL UNIVERSITY  
ARTICULATION GUIDE**

**Oakland Community College – Computer Aided Design (Vehicle Design Option)  
LTU – Bachelor of Science in Engineering Technology  
Based on OCC 2005-06 Catalog and LTU 2005-07 Catalog**

**Oakland Community College Courses:**

**Transfer to LTU as:**

<b>Degree Requirements</b>	
<b>Major Requirements</b>	
CAD 1000 Intro to CAD & Drafting .....3	Technology Specialty ..... 25
CAD 1200 Product Detailing .....3	
CAD 2101 3D Wireframe Design & Surfacing .....4	
CAD 2110 Topics in Design & Drafting Appl .....4	
CAD 2150 Advanced Curves & Surfaces .....4	
CAD 2190 Assemblies & Components .....4	
CAD 2210 Product Design & Layout .....3	
<b>Required Supportive Courses</b>	
CAD 1450 Drafting & Design Co-op Internship .....3	ADC 1450- Technology Specialty ..... 2
CAD 2450 Advanced Drafting & Design .....3	CAD 2450-General Elective ..... 3
DDT 1000 Fundamentals for the Drafting Industry .....3	DDT 1000- General Elective ..... 3
DDT 1050 Product Drafting .....3	DDT 1050- General Elective ..... 3
DDT 1150 Descriptive Geometry .....3	No Credit
MAT 1560 Trigonometry .....3	MCS1123 Technical Math 2 ..... 3
MAT 1540 College Algebra .....4	MCS 1113 Technical Math 1 ..... 3
MEC 1010 Intro to Manufacturing Processes .....3	MEC 1010- TIE 2063 (Manu. Processes) ..... 3
MEC 1020 Manufacturing & Fabricating Practices .....3	No Credit
<b>English Requirements</b>	
ENG 1510 Composition 1 ..... 3	COM 1103 (Eng. Comp) ..... 3
<b>Vehicle Design Option Courses</b>	
ADT 1100 Intro to Body Drafting .....3	Technical Elective ..... 6
CAD 2601 Principles of Body Design .....4	
CAD 2701 Applications of Body Design .....4	
CAD 2801 Vehicle Body Surface Development .....4	
<b>General Education Requirements</b>	
<b>Fine Arts/Humanities ..... 3</b> Select one of the following: ART 1560, 1700, 2560, 2600, 2620, ENG 1710, 1720, 2510, 2520, 2530, 2540, 2550, 2560, 2750, 2760, 2800, 2820, FSH 1500, HUM 1510, 1520, 2720, 2900, MUS 1540, 1550, 1560, 1585, 1590, 1670, THE 1561, 1800	LLT 1213 World Masterpieces 1 ..... 3
<b>Physical Education....(see OCC catalog) ..... 1</b>	PER does not transfer to LTU
<b>POL 1510 ..... 3</b>	SSC 2413 Foundations/ Am. Exp ..... 3
<b>Social Science ..... 3</b> Select one of the following: ANT 1540, GEO 1520, HIS 1510, 1520, 1550, 1700, 2510, 2520, 2610, 2620, SOC 2510, 2520, 2610, PSY 2510, 2630, 2710, 2810, SSC 2610, 2710	SSC 2423 Development/ Am. Exp ..... 3
<b>Written Communication</b> ENG-2200 Professional Communication ..... 4	MCS1123 Tech & Prof Comm ..... 3

**NOTE: See an OCC counselor for transfer information.**

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**Oakland Community College Courses:**

**Transfer to LTU as:**

**Additional Transferable Credits:**

Note: A maximum of 70 credits may be transferred from community colleges

MAT 1600 or 1730 Calculus.....	4
MAT 1580 Statistics .....	4
CHE 1000 or 1510 Chemistry .....	4
PHY 1610 Physics.....	4
PHY 1620 Physics II.....	4
ECO 2610 or 2620 .....	3
Second course in fine arts/humanities from page 1 .....	3

LLT/SSC/ PSY Jr./Sr. Elective .....	3
MCS 1023 Tech. Comp. App .....	3
MCS 2313 Tech Calculus.....	3
MCS 2323 Applied Diff. Equations .....	3
MCS 2023 Statistical Methods .....	3
CHM 3144 Fundamentals of Chemistry .....	4
PHY 1063 Tech Physics 1.....	3
PHY 1100 Tech Physics 1 Lab.....	0
PHY 1083 Tech Physics 2.....	3
PHY 1101 Tech Physics 2 Lab.....	1
SSC 2303 Basic Economics.....	3

**Completion of the BSET Degree at LTU**

**Technology Core**

HRM 4013 Employee Management Relations .....	3
MGT 2203 Management & Supervision .....	3
TOM 3113 Operations Management.....	3
TEE 3103 DC/AC Circuits .....	3
TME 2163 Engineering Economics .....	3
TME 4103 Engineering Materials 2 .....	3
TME 2053 Dynamics OR TME 3133 Eng. Mech. ....	3
TIE 4115 Senior Project .....	5

COM 1001 (Univ. Seminar) Excused

**Maximum Transferable OCC Credits ..... 70**

**Minimum Credits at LTU: ..... 55**

**\*\*Minimum Credits to Graduate:125\*\***