

LAWRENCE TECHNOLOGICAL UNIVERSITY
ARTICULATION GUIDE
Oakland Community College – Computer Aided Design (Machine Tool 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:

| Degree Requirements | |
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| Major Requirements | |
| CAD 1100 Intro to Computer Aided Des & 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 | |
| Required Supportive Courses | |
| CAD 1450 Drafting & Design Co-op Internship..... 3 | No Credit |
| 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 1140 Plane Geometry 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 |
| English Requirements | |
| ENG 1510 Composition 1 3 | COM 1103 English Comp..... 3 |
| Vehicle Design Option Courses | |
| APD 8250 Die Design 3 | Technical Elective..... 6 |
| APD 8440 Tool Design 1 4 | |
| CAD 2300 CAD Applications in Machine Tool Fix & Gauges 4 | Technical Specialty..... 2 |
| CAD 2350 CAD Applications in Die Design 4 | |
| General Education Requirements | |
| Fine Arts/Humanities 3 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 |
| Physical Education....(see OCC catalog) 1 | PER does not transfer to LTU |
| POL 1510 3 | SSC 2413 Foundations/ Am. Exp 3 |
| Social Science 3 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 |
| Written Communication ENG-2200 Professional Communication 4 | MCS1123 Tech & Prof Comm 3 |

Note: See an OCC counselor for transfer information.

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| | |
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| <p><u>Other Transferable Credits:</u> Note: A maximum of 70 credits may be transferred from community colleges</p> <p>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</p> | <p>MCS 2313 Tech Calculus 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 LLT 1223 World Masterpiece 2 3</p> <p><u>Completion of the BSET Degree at LTU</u></p> <p>Technology Core(26 credits) 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</p> <p>Additional Courses..... MCS 1023 Tech. Comp. App..... 3 MCS 2323 Applied Diff. Equations 3</p> <p>COM 1001 (Univ. Seminar) Excused</p> <p>Maximum OCC Transferable Credits70 Minimum Credits at LTU:55 **Minimum Credits to Graduate:125**</p> |
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