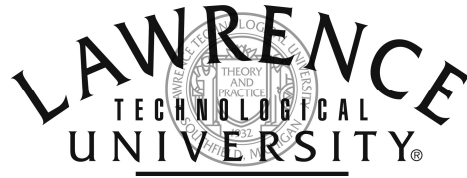


ARTICULATED TRANSFER PLAN
Henry Ford Community College – Pre-Engineering
LTU – Bachelor of Science in Mechanical Engineering
 Based on HFCC 2005-06 Catalog and LTU 2005-07 Catalog

Henry Ford Community College Courses: Transfer to LTU as:

Degree Requirements	
<p>English Requirements (6 credits) ENG 131 or 132 English Composition I or 2 3 ENG 135 Technical Writing..... 3</p> <p>Humanities Courses (6 credits) Select 6 credits from the following: (Note: these courses must be taken in more than one academic discipline) ART 121, 122, 123, 124, 135, 223, 224, ENG 139, 231, 233, 234, 235, 237, 239, 241, 243, 245, 248, MUS 132, 133, 232, 233, PHIL 131, 133, 135, 137, STH 131, 138</p> <p>Math & Science (34 @ HFCC).....27 MATH 180 Calculus I..... 5 MATH 183 Calculus II 5 MATH 280 Calculus III 5 MATH 289 Diff. Equations.....4 CHEM 141 Principles of Gen./Inorganic Chem. 1.....5 PHYS 231 Engineering Physics.....5 PHYS 232 Engineering Physics.....5</p> <p>Social Science Courses...(See HFCC catalog) 6 Select 6 credits from the following: (Note: these courses must be taken in more than one academic discipline): ANTH 131,151,152, HIST 111, 112, 113, 151,152, 157, 160, 162, 165, 225, 240, 255 , GEOG 132, PHIL 139, SOC 131,151, 152, 251, 254, SWC 131, POLS 131, 132, 135, 152, 153, 154, 155, PSY 131, 152, 161, 253, 254, 256, SSC 235, WR 131</p> <p>Additional Requirements (15 @ HFCC).....14 BEC 151 or 151 Basic Economics.....3 ENGR 130 Intro to Engineering.....3 ENGR 201 Engineering Materials.....3 ENGR 232 Statics.....3 ENGR 233 Dynamics.....3</p> <p>COM 1001 (University Seminar) Satisfied from transfer credit.</p>	<p>COM 1103 English Composition3 COM 2103 Tech. & Prof. Com3 (if MACRAO is satisfied)</p> <p>LLT 1213 World Masterpieces I3 LLT 1223 World Masterpieces II3</p> <p>MCS 1414 Calculus I4 MCS 1424 Calculus II4 MCS 2414 Calculus III4 MCS 2423 Diff. Equations.....3 CHM 1213 + 1221 Univ. Chem. 1 + Lab.....4 PHY 2413 + 2421 Univ. Physics 1 + Lab.....4 PHY 2423 + 2431 Univ. Physics 2 + Lab.....4</p> <p>SSC 2413 Foundations of American Experience3 SSC 2423 Development of American Experience.....3</p> <p>SSC 2303 Basic Economics.....3 EGE 1002 Intro to Engineering2 EGE 1023 Engineering Materials.....3 EGE 2013 Statics3 EME 3043 Dynamics3</p>



ARTICULATED TRANSFER PLAN

**Henry Ford Community College – Pre-Engineering
 LTU – Bachelor of Science in Mechanical Engineering
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LTU Courses:

Completion of the BSME at LTU:

Note: A maximum of 60 credits may be transferred from community colleges.

Mechanical Engineering Core (50 credit hours):

EME 1101, 1201 & 1301 ECal Courses	3
EME 4003 Design of Machine Elements	3
EME 2011 Engineering Materials Lab	1
EME 2012 Mechanical Engineering Graphics	2
EME 3013 Mechanics of Materials	3
EME 4013 Heat Transfer.....	3
EME 3023 Manufacturing Processes	3
EME 4212 Engineering Projects 1.....	2
EME 3011 Intro to Engineering Projects.....	1
EME 4222 Engineering Projects 2.....	2
EME 4402 Mechanics Lab.....	2
EME 3024 Fluid Mechanics.....	4
EME 4412 Thermal Science Lab.....	2
EME 3033 Engineering Numerical Control.....	3
EME 3034 Kinematics/ Dynamics of Machines.....	4
EME 4/5 XXX3 Electives (4 courses).....	12

Additional Arts & Science Courses (9 credits)

LLT/SSC/ PSY Jr./Sr. Elective	3
MCS 3403 Prob. & Stats	3
MCS 3413 Advanced Engineering Math	3

Additional Engineering Courses (12 credits)

EGE 3012 Engineering Cost Analysis	2
EGE 3003 Thermodynamics.....	3
EEE 2123 Circuits & Electronics.....	3
EEE 3161 Intro to EE Labs.....	1
EME 3153 Electric Machines & Controls.....	3

NOTE: See an HFCC counselor for transfer information.

Maximum Credits at HFCC: 60

Minimum Credits at LTU: 71

****Minimum Credits to Graduate 131****