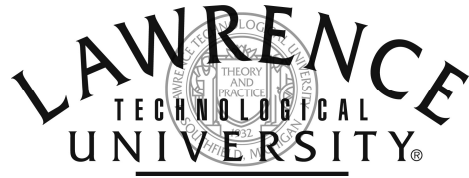


ARTICULATED TRANSFER PLAN
Henry Ford Community College – Pre-Engineering
LTU – Bachelor of Science in Civil Engineering
 Based on HFCC 2005-06 Catalog and LTU 2005-07 Catalog

Henry Ford Community College Courses: **Transfer to LTU as:**

Degree Requirements	
English Requirements (6 credits)	
ENG 131 or 132 English Composition I or 2 3	COM 1103 English Composition3
ENG 135 Technical Writing..... 3	COM 2103 Tech. & Prof. Com3 (if MACRAO is satisfied)
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	LLT 1213 World Masterpieces I3 LLT 1223 World Masterpieces II3
Math & Science (38 @ HFCC).....30	
MATH 180 Calculus I..... 5	MCS 1414 Calculus I4
MATH 183 Calculus II 5	MCS 1424 Calculus II4
MATH 280 Calculus III 5	MCS 2414 Calculus III4
MATH 289 Diff. Equations.....4	MCS 2423 Diff. Equations.....3
GEOL 131 Geology.....4	GLG 1103 Geology.....3
CHEM 141 Principles of Gen./Inorganic Chem. 1.....5	CHM 1213 + 1221 Univ. Chem. 1 + Lab.....4
PHYS 231 Engineering Physics.....5	PHY 2413 + 2421 Univ. Physics 1 + Lab.....4
PHYS 232 Engineering Physics.....5	PHY 2423 + 2431 Univ. Physics 2 + Lab.....4
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	SSC 2413 Foundations of American Experience3 SSC 2423 Development of American Experience.....3
Additional Requirements (12 @ HFCC).....11	
BEC 151 or 151 Basic Economics.....3	SSC 2303 Basic Economics.....3
ENGR 130 Intro to Engineering.....3	ECE 1002 Intro to CE Perspectives.....2
ENGR 232 Statics.....3	EGE 2013 Statics3
ENGR 233 Dynamics.....3	EME 3043 Dynamics3
COM 1001 (University Seminar) Satisfied from transfer credit	



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LTU Courses:

Completion of the BSCE at LTU:

Note: A maximum of 61 credits may be transferred from community colleges.

Civil Engineering Core (42 credit hours):

EME 1101, 1201 & 1301 ECal Courses	3
ECE 1013 Surveying	3
ECE 1413 CE Materials.....	3
ECE 3213 Construction Engineering.....	3
ECE 3324 Environmental Engineering 1	4
ECE 3424 Geotechnical Engineering	4
ECE 3523 Hydromechanics.....	3
ECE 3723 Theory of Structures	3
ECE 3823 Transportation Engineering.....	3
ECE 4021 CE Design Project 1.....	1
ECE 4033 CE Design Project 2.....	3
ECE 4051 Ethics & Professional Issues.....	1
ECE 4544 Hydraulic Engineering.....	4
ECE 4743 Concrete Design.....	3
ECE 4761 Structural Testing.....	1

CE Electives (Five Courses)

(At Least Seven Design Credits- Number in Brackets)

ECE 4243 CE Management Practices.....	3 (0)
ECE 4263 Cost, Estimated & Bidding.....	3 (0)
ECE 4343 Environmental Engineering 2.....	3 (1)
ECE 4563 Hydrology.....	3 (1)
ECE 4733 Advanced Structures.....	3 (0)
ECE 4363 Environmental Design.....	3 (3)
ECE 4443 Foundation Engineering.....	3 (3)
ECE 4623 Project Design.....	3 (1)
ECE 4633 Steel Design.....	3 (3)
ECE 4843 Highway Engineering.....	3 (3)

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 (5 credits)

EGE 3012 Engineering Cost Analysis	2
EEE 2123 Circuits & Electronics.....	3

NOTE: See an HFCC counselor for transfer information.

Maximum Credits at HFCC: 60

Minimum Credits at LTU: 71

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