

**LAWRENCE TECHNOLOGICAL UNIVERSITY**

CoAD &amp; Civil Engineering

**B. S. Dual Degree in Architecture & Civil Engineering**

Undergraduate Summary Record

Name \_\_\_\_\_

Number \_\_\_\_\_ Date \_\_\_\_\_

**Catalog of Entry 2011 – 2012**

F, SP	COM 1001	University Seminar	_____	<input type="radio"/>	COM 2103	Tech & Prof Communication	_____	<input type="radio"/>	ALL
ALL	COM 1103	English Composition	_____	<input type="radio"/>	GLG 1103	Geology	_____	<input type="radio"/>	F, SP
F, SP	CHM 1213	University Chemistry 1	_____	<input type="radio"/>	CHM 1221	University Chem Lab 1	_____	<input type="radio"/>	F, SP
F, SP	ARC 1012 - AAA or ECE 1012 – Civil Eng Pers		_____	<input type="radio"/>	ARC 2813	Electronic Methods 1	_____	<input type="radio"/>	ALL
F, SP	ART 1113	Basic Design 1	_____	<input type="radio"/>	ART 1133	Basic Design 2	_____	<input type="radio"/>	ALL
F, SP	ARC 1213	Visual Communication 1	_____	<input type="radio"/>	ARC 1223	Visual Communication 2	_____	<input type="radio"/>	ALL
ALL	<b>MCS 1414</b>	Calculus 1	_____	<input type="radio"/>	<b>MCS 1424</b>	Calculus 2	_____	<input type="radio"/>	ALL
		19 credits				20 credits			
ALL	<b>LLT 1213</b>	World Masterpieces 1	_____	<input type="radio"/>	<b>LLT 1223</b>	World Masterpieces 2	_____	<input type="radio"/>	ALL
F	ARC 3613	History/Designed Enviro 1	_____	<input type="radio"/>	ARC 3623	History/Designed Enviro 2	_____	<input type="radio"/>	SP
ALL	<b>PHY 2413</b>	University Physics 1	_____	<input type="radio"/>	<b>PHY 2423</b>	University Physics 2	_____	<input type="radio"/>	ALL
ALL	<b>PHY 2421</b>	University Physics 1 Lab	_____	<input type="radio"/>	<b>PHY 2231 or 2431</b>	University Physics 2 Lab	_____	<input type="radio"/>	ALL
F	ARC 2117	Integrated Design Studio 1	_____	<input type="radio"/>	ARC 2126	Integrated Design Studio 2	_____	<input type="radio"/>	SP
F	ECE 1102	CE Computer Application Lab	_____	<input type="radio"/>	<b>MCS 2414</b>	Calculus 3	_____	<input type="radio"/>	ALL
		19 credits				20 credits			
ALL	LDR 2001	Leadership Models & Practices	_____	<input type="radio"/>	ECE 3523	Hydromechanics	_____	<input type="radio"/>	F, SP
ALL	<b>SSC 2413</b>	Foundations /American Exp	_____	<input type="radio"/>	<b>SSC 2423</b>	Development / American Exp	_____	<input type="radio"/>	ALL
ALL	EGE 2013	Statics	_____	<input type="radio"/>	<b>MCS 2423</b>	Differential Equations	_____	<input type="radio"/>	ALL
F	ARC 3117	Integrated Design Studio 3	_____	<input type="radio"/>	ARC 4423	Environmental Systems 2	_____	<input type="radio"/>	F, SP
F	ARC 2313	Building Systems 1	_____	<input type="radio"/>	ARC 2323	Building Systems 2	_____	<input type="radio"/>	SP
		17 credits			ARC 2321	Build. Sys 2 Global Lecture	_____	<input type="radio"/>	SP
						16 credits			
ALL	COM 3000	Writing Proficiency Exam	_____	<input type="radio"/>	LDR 3000	Leadership Seminar Series	_____	<input type="radio"/>	F, SP
ALL	EGE 3012	Engineering Cost Analysis	_____	<input type="radio"/>	ECE 4243	CE Management Practice	_____	<input type="radio"/>	SP
F, SP	ECE 4544	Hydraulic Engineering	_____	<input type="radio"/>	ECE 3424	Soil Mechanics	_____	<input type="radio"/>	F, SP
F, SU	EME 3013	Mechanics of Materials	_____	<input type="radio"/>	ECE 3723	Theory of Structures	_____	<input type="radio"/>	F, SP
F, SU	EGE 3003	Thermodynamics (OR)			<b>MCS 3403</b>	Probability & Statistics	_____	<input type="radio"/>	ALL
F, SU	EGE 3043	– Dynamics (OR)			ARC 3126	Integrated Design Studio 4	_____	<input type="radio"/>	SP
F, SU	EME 4613	Thermal Systems – Non ME	_____	<input type="radio"/>		19 credits			
ALL	ARC 3413	Environmental Systems 1	_____	<input type="radio"/>					
		15 credits							

F, SP	ECE 3324 Environmental Engineering 1	<input type="radio"/>	LDR 4000 Leadership Capstone	<input type="radio"/>	F, SP
F, SP	ECE 4743 Concrete Design	<input type="radio"/>	ECE 4753 Steel Design	<input type="radio"/>	SP
F, SP	ECE 4761 Structural Design Test Lab	<input type="radio"/>	ECE 4051 Ethics & Professional Issues	<input type="radio"/>	F, SP
ALL	ARC 4114 Arch Design Studio 5	<input type="radio"/>	ECE 4033 CE Design Project 2	<input type="radio"/>	SP
F	ECE 4021 CE Design Project 1	<input type="radio"/>	<b>LLT/SSC/PSY 3000/4000 level Elective</b>	<input type="radio"/>	ALL
	13 credits +3 credits of technical elective below		10 credits + 3 credits technical elective below		

Choose two (2) **technical electives**...sum of design credits must be a minimum of three:

<b>CONSTRUCTION AREA</b>		<b>Design Credits</b>
F	ECE 4263 Cost Estimating, Bidding & Contracting	<input type="radio"/> 0
<b>ENVIRONMENTAL AREA</b>		
SP	ECE 4343 Environmental Engineering 2	<input type="radio"/> 1
SP	ECE 4363 Environmental Design	<input type="radio"/> 3
<b>GEOTECH AREA</b>		
F	ECE 4443 Foundations Engineering	<input type="radio"/> 3

Total Architecture Credit Hours	64	(66 with ARC1012 – Art / Architecture Awareness)
Total Arts & Sciences Credit Hours	55	
Total Engineering Credit Hours	52	(54 with CE1012 – Civil Engineering Perspective)
Total Leadership Credit Hours	1	

**TOTAL CREDIT HOURS** 174

COMMENTS	SURPLUS ELECTIVES	
_____	_____	<input type="radio"/>
_____	_____	<input type="radio"/>
_____	_____	<input type="radio"/>
_____	_____	<input type="radio"/>

**WHEN CLASSES ARE OFFERED:** F = Fall, SP = Spring, SU = Summer, ALL = All semesters

NOTE: Students wishing to graduate in 5 years, while reducing the credit load may take any **bold highlighted** class during the summer semester. Also, MCS1414 may be taken 1<sup>st</sup> year Spring with MCS1424 during 1<sup>st</sup> year summer semester.