

**Start your Master of Architecture Degree
at Grand Rapids Community College.**

A unique partnership between
Lawrence Technological University (LTU) in South-
field, MI and Grand Rapids Community College
allows you to start your Architecture Degree at
GRCC.



Start with a two year Architectural Design degree at GRCC and take two LTU Integrated Design Studios at GRCC.

Then transfer your junior year to LTU & continue with a:
Bachelor of Science in Architecture Degree,
Bachelor of Interior Architecture Degree, or a
Master of Architecture Degree.

It is important to take the following courses during the first year to be able to take the Integrated Design Studios your second year.

AR 201 – Architectural Graphics 1

AR 202 – Architectural Graphics 2

AT 130 – Two Dimensional Design 1

AT 150 – Three Dimensional Design

GRCC Contact Information:

Mechanical and Architectural Design Department

Email: Mechanical@grcc.edu

Web Page: www.grcc.edu/design

Phone: 616 234 3670

AAAS Degree, Architectural Design (Code 905)

		Credits	Contact Hours
First Semester (Fall)			
AR 111	Orientation to Architecture	2	2
AR 129	Architectural 3D CAD	3	4
AR 201	Architectural Graphics 1	3	4
AT 130	2D Design 1	3	6
MA 131	Pre Calculus	<u>5</u>	5
		16	
Second Semester (Winter)			
AR 120	Architectural Working Drawings 1	4	6
AR 202	Architectural Graphics 2	3	4
AT 150	Three Dimensional Design	3	6
MA 133	Calculus with Analytic Geometry 1	5	5
WE	Wellness Elective	<u>1</u>	2
		16	
Third Semester (Fall)			
AR 105	Construction Materials 1	3	4
EN 101	English Composition 1	3	3
PS 110	Survey of American Government	3	4
PH 126	College Physics 1	4	7
	Humanities Elective **	<u>3/4</u>	3/4
		16/17	
Fourth Semester (Winter)			
AR 106	Construction Materials 2	3	4
AR 218	Sustainable Residential Design	3	4
AT 270	History of Architecture	3	3
BA 102	Business and Technical English	3	3
PH 126	College Physics 2	<u>4</u>	7
		16	
Total Credits		<u>64/65</u>	

*It is strongly recommended that students intending to transfer to the Master of Architecture Degree at Lawrence Technological University (LTU), meet with their GRCC advisor during Freshman year. Students intending to transfer their Junior year to LTU in addition to accomplishing the above program also need:

- LTU accepts a 2.2 GPA from transfer schools. However, LTU does not accept transfer grades of C- or below. Any grade C- or below negates the articulation agreement completed and completed requirements will be evaluated on a course-by-course basis.

- 3 to 4 more credits in a Humanities elective.

- ARC 2117 and ARC 2126 - Integrated Design Studios from LTU. These studios will be offered during the third and fourth semester, which will require some of the GRCC courses to be taken during the summer to provide time for the studios (**AT 130, AT 150, AR 201, AR 202 are prerequisites for ARC 2117. AR 129 and ARC 2117 are prerequisites for ARC 2126**).

** Acceptable courses for the Humanities Elective are: AT105, AT 106, EN 233, EN 235, EN 237, EN 247, EN 248, EN 252, EN 261, EN 262, EN 270, EN 271, EN 275, EN 281, EN 282, HU 204, HU 205, HU 274, MU 109, MU 235, MU 236, MU 237.

- Most AR courses must be taken in sequence at GRCC. The above course of study along with the Integrated Design Studios from LTU may take two years plus two summer semesters.

- Transfer scholarships will be available to GRCC students transferring to LTU. Students are eligible to receive transfer scholarships in either the first or second year of the program.



ARTICULATION GUIDE
Grand Rapids Community College- Architectural Design
LTU – Architecture
 Based on GRCC 2010-2011 Catalog and LTU 2010-2011 Catalog

Grand Rapids Community College Courses: Transfer to LTU as:

Major Requirements (50 credits)	
Required General Education Courses	
AR 111 Orientation to Architecture.....2	ARC 1012 Art/Design Awareness.....2
AT 130 2D Design 1.....3	ART 1113 Basic Design 1.....3
AT 150 3D Design.....3	ART 1133 Basic Design 2.....3
AR 201 Architectural Graphics 1.....4	ARC 1213 Visual Communication 1.....3
AR 202 Architectural Graphics 2.....3	ARC 1223 Visual Communication 2.....3
AR 129 Architecture 3D CAD.....3	ARC 2813 Electronic Methodologies 1.....3
AR 105 Construction Materials.....3	ARC 2313 Building Systems 1.....3
AR 218 Sustainable Residential Design.....3	ARC 2323 Building Systems 2.....3
AR 120 Architecture Working Drawings.....4	ARC 2321 Building Systems 2 Global Lecture.....1
AR 106 Construction Materials 2.....3	ARC 3613 History of the Designed Environment.....3
AT 270 History of Architecture.....3	MCS 1214 Intro to Math Analysis 1.....4
MA 131 Pre-Calculus.....5	MCS 1224 Intro to Math Analysis 2.....4
MA 133 Calculus with Analytic Geometry.....5	PHY 2213 + 2221 College Physics 1 + Lab.....4
PH 125 College Physics 1 + Lab.....4	PHY 2223 + 2231 College Physics 2 + Lab.....4
PH 126 College Physics 2 + Lab.....4	COM 1103 English Composition.....3
EN 101 English Composition.....3	COM 2103 Technical & Professional Communication.....3
BA 102 Technical English.....3	SSC 2413 Foundations of the American Experience.....3
PS 110 Survey of American Government.....3	Does Not Transfer
Wellness Course.....1	<u>LTU Courses to be Taught on GRCC Campus:</u>
	ARC 2117 Integrated Design Studio 1.....7
	ARC 2126 Integrated Design Studio 2.....6
Additional Coursework	
Select Two Courses From The Following: AT 105, 106, EN 233, 235, 237, 247, 248, 252, 261, 262, 270, 271, 275, 281, 282, HU 204, 205, 274, MU 109, 235, 236, 237	LLT 1213 World Masterpieces 1.....3 LLT 1223 World Masterpieces 2.....3

LAWRENCE TECHNOLOGICAL UNIVERSITY
COLLEGE OF ARCHITECTURE AND DESIGN
Master of Architecture

Name _____
Number _____ Date _____

Catalog of Entry 2011 – 2012

WHEN CLASSES ARE OFFERED F=Fall SP=Spring SU=Summer ALL-All Semesters

F,SP	COM 1001 University Seminar _____	<input type="checkbox"/>	COM 2103 Tech & Prof Communication _____	<input type="checkbox"/>	ALL
ALL	COM 1103 English Composition _____	<input type="checkbox"/>	LLT 1213 World Masterpieces 1 _____	<input type="checkbox"/>	ALL
ALL	MCS1214 Intro Math Analysis 1* _____	<input type="checkbox"/>	MCS 1224 Intro Math Analysis 2 _____	<input type="checkbox"/>	ALL
(* or replace with MCS 1203 Logic when MCS1214 is excused by placement or MA2 transfer)					
F,SP	ARC 1012 Art/Design Awareness _____	<input type="checkbox"/>	ART 1133 Basic Design 2 _____	<input type="checkbox"/>	ALL
F,SP	ART 1113 Basic Design 1 _____	<input type="checkbox"/>	ARC 1223 Visual Com. 2 _____	<input type="checkbox"/>	ALL
F,SP	ARC 1213 Visual Com. 1 _____	<input type="checkbox"/>			
	15/16		16		

ALL	LLT 1223 World Masterpieces 2 _____	<input type="checkbox"/>	SSC 2413 Foundations/ American Exp _____	<input type="checkbox"/>	ALL
F	ARC 3613 History/Designed Enviro 1 _____	<input type="checkbox"/>	ARC 3623 History/Designed Enviro 2 _____	<input type="checkbox"/>	SP
ALL	PHY 2213 College Physics 1 _____	<input type="checkbox"/>	PHY 2223 College Physics 2 _____	<input type="checkbox"/>	ALL
ALL	PHY 2221 College Physics Lab _____	<input type="checkbox"/>	PHY 2231 College Physics 2 Lab _____	<input type="checkbox"/>	ALL
F	ARC 2117 Integrated Design Studio 1 _____	<input type="checkbox"/>	ARC 2126 Integrated Design Studio 2 _____	<input type="checkbox"/>	SP
ALL	ARC 2813 Electronic Methods 1 _____	<input type="checkbox"/>	LDR 2001 Leadership Models & Prac. _____	<input type="checkbox"/>	ALL
	20		17		

ALL	COM 3000 Writing Proficiency Exam _____	<input type="checkbox"/>	ARC 4423 Environmental Systems 2 _____	<input type="checkbox"/>	F,SP
ALL	SSC 2423 Development/American Exp _____	<input type="checkbox"/>	ARC 2323 Building Systems 2 _____	<input type="checkbox"/>	SP
F	ARC 2313 Building Systems 1 _____	<input type="checkbox"/>	ARC 2321 Bldg Systems Global Lecture _____	<input type="checkbox"/>	SP
ALL	ARC 2514 Structures 1 _____	<input type="checkbox"/>	ARC 3523 Structures 2 _____	<input type="checkbox"/>	ALL
F	ARC 3117 Integrated Design Studio 3 _____	<input type="checkbox"/>	ARC 3126 Integrated Design Studio 4 _____	<input type="checkbox"/>	SP
	17		LDR 3000 Leadership Seminar Series _____	<input type="checkbox"/>	F,SP
			16		

ALL	ARC 4114 Arch Design Studio 5 _____	<input type="checkbox"/>	ARC 4xx 4 Allied Design Studio _____	<input type="checkbox"/>	ALL
ALL	ARC 3413 Environmental Systems 1 _____	<input type="checkbox"/>	ARC 4543 Structures 4 _____	<input type="checkbox"/>	ALL
ALL	ARC 4533 Structures 3 _____	<input type="checkbox"/>	ARC/ART/ARI ___ 3 Credit Elective _____	<input type="checkbox"/>	ALL
F,SP	ARC 4183 20 th Century Architecture _____	<input type="checkbox"/>	ARC/ART/ARI ___ 3 Credit Elective _____	<input type="checkbox"/>	ALL
ALL	ARC/ART/ARI ___ 2 Credit Elective _____	<input type="checkbox"/>	LLT/SSC/PSY 3XX3-4XX3 level Jr./Sr. Elective _____	<input type="checkbox"/>	ALL
F,SP	LDR 4000 Leadership Capstone _____	<input type="checkbox"/>			
	15		16		

Total UG Credits 132/133

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Master of Architecture

SU	ARC 6103 Master Class _____	<input type="checkbox"/>	ARC 5623 Current Issues in Arch _____	<input type="checkbox"/>	ALL
ALL	ARC 5913 Professional Practice 1 _____	<input type="checkbox"/>	ARC 5922 Professional Practice 2 _____	<input type="checkbox"/>	ALL
ALL	ARC 5012 Research Methods _____	<input type="checkbox"/>	ARC 5422 Environmental Issues _____	<input type="checkbox"/>	ALL
ALL	ARC 5633 Design Theory _____	<input type="checkbox"/>	ARC 5942 Project Management _____	<input type="checkbox"/>	ALL
ALL	ARC 5814 Adv. Design Studio 1 OR		ARC 6832 Arch. Design & Pract St.Doc. OR		
ALL	ARC 6514 Thesis 1 _____	<input type="checkbox"/>	ARC 6122 Thesis Praxis _____	<input type="checkbox"/>	SU
ALL	ARC 5824 Adv. Design Studio 2 OR		ARC Elective (5XX2 or 6XX2) _____	<input type="checkbox"/>	ALL
ALL	ARC 6524 Thesis 2 _____	<input type="checkbox"/>	ARC Elective (5XX2 or 6XX2) _____	<input type="checkbox"/>	ALL
			Non ARC Elective (2 or 3 credit 5XXX or 6XXX) _____	<input type="checkbox"/>	ALL

GR Credits 36

COMMENTS

_____	UG Credits 132/133 _____	<input type="checkbox"/>
_____	GR Credits 36 _____	<input type="checkbox"/>
_____	Total Credits 168/169 _____	<input type="checkbox"/>

