

ARTICULATION AGREEMENT

BETWEEN

GRAND RAPIDS COMMUNITY COLLEGE

AND

LAWRENCE TECHNOLOGICAL UNIVERSITY

STATEMENT OF COOPERATION

Grand Rapids Community College (GRCC) and Lawrence Technological University (LTU) wish to facilitate the transfer of students, enhance the number and quality of learning options, and provide a seamless transfer process for students who desire further education in the Architecture program offered by LTU. LTU is accredited by North Central Association – The Higher Learning Commission, and is located at 21000 West Ten Mile Road, Southfield, MI 48075-1058. An overview of the university, plus academic information is available at <http://www.ltu.edu/>. Grand Rapids Community College is accredited by North Central Association – The Higher Learning Commission, and is located at 143 Bostwick Avenue NE Grand Rapids, MI 49503. An overview of the college, plus academic information is available at <http://cms.grcc.edu>

AGREEMENT

Grand Rapids Community College (GRCC) and LTU hereby agree as follows:

1. GRCC and LTU will maintain the integrity of their separate programs and enter into this agreement as equal partners.
2. **Advising of GRCC Students** – Advising of GRCC students regarding admission and program requirements to LTU will be the responsibility of the appropriate GRCC staff. LTU will designate one or more points of contact to respond to advising questions from GRCC advisors. Each institution will monitor the academic performance of students enrolling under this agreement, and identify issues that may interfere with the successful transfer of students to LTU. The attached Architecture articulation guide specifies GRCC coursework, LTU equivalents, and remaining LTU degree requirements.
3. **Communication** – GRCC and LTU agree to cooperate in communicating with each other and with their common and respective publics concerning the established relationship between the two institutions.
 - Any marketing of or public relations for the articulation by GRCC will be subject to the prior approval of both parties. Each institution will assume responsibility for appropriate marketing to reach their respective student and faculty populations.
 - Faculty and staff at both institutions will communicate information about this agreement to students and prospective students.

As party to this agreement, GRCC agrees:

- To make information about the agreement and the LTU Master of Architecture degree program available to students enrolled in the Grand Rapids Community College architectural programs.
- To provide opportunity for representatives of LTU faculty to visit appropriate forums at GRCC for the purpose of disseminating information about the LTU Master of Architecture degree program.
- To notify LTU Master of Architecture degree program about any changes to the architectural programs that are anticipated or approved.

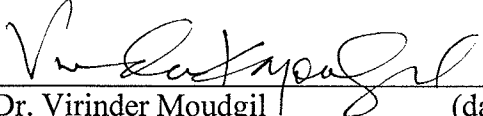
- To coordinate with LTU to provide evidence to support National Architecture Accrediting Board (NAAB) accreditation criteria for articulated courses. Changes to the GRCC curriculum must retain the NAAB Student Performance Criteria (SPC) covered by each transferrable course or GRCC must propose an amendment to this agreement to ensure that SPC standards are being maintained.
- To support the production of required portfolios to verify the attainment of NAAB criteria as specified by grade standards below.

As party to this agreement, LTU agrees:

- To provide GRCC with updated information about the LTU Master of Architecture program on an appropriate basis.
 - To notify GRCC with as much lead time as possible about any changes to the program requirements that are anticipated or approved.
 - To comply with other requests made by GRCC in furtherance of this agreement as appropriate
4. **Grade Standards** – 3.0 GPA (or GRCC equivalent) for automatic admission. Lower GPA's (2.75 and above) may qualify on a case-by-case basis.
 5. **Portfolios**- Portfolios are required for all incoming students from Grand Rapids Community College. The portfolios are required to verify each students attainment of all NAAB student performance criteria (SPC) assigned to any studio or visual communication courses.
 6. **Transfer Agreement**– Provided all entrance requirements are met, applicants will be granted a minimum of 49 transfer credits/exclusion credits of the 168 credits required for the Master of Architecture degree program in accordance with the two college curriculum summary record. Only the courses taken at GRCC that have earned a minimum grade of 'C' (or GRCC equivalent) will be accepted by LTU. Deficiencies in the curriculum summary record may be fulfilled at LTU, GRCC, or another college with a transfer agreement. Prior to the student's enrollment at LTU further transfer credits may be awarded.
 7. **Length of Agreement** – This agreement will become effective upon the execution of signatures by the responsible authorities for each institution, and will be in effect for a maximum of five years, after which time both institutions will undertake renegotiation of the agreement. If the agreement is not renewed, students who have selected and designated this program prior to termination of the agreement will be given two additional years to be admitted to LTU under the terms of this agreement. Both GRCC and LTU agree to provide written notice of at least one full academic year in advance of termination.
 8. **Review and Modification of the Agreement** – Each institution will notify the other of any contemplated curricular changes that would affect the future of this agreement. This agreement may be modified at any time with the mutual consent of both parties. In particular, changes to the GRCC curriculum must retain the NAAB SPC should this say th covered by each course or GRCC must propose an amendment to this agreement to ensure that SPC standards are being maintained.
 9. **Exchange of Information** – LTU and GRCC agree to exchange transfer student information for the purpose of monitoring and enhancing student academic success. The information may also be used to enhance curricular offerings. At no time will Family Education Rights and Privacy Act (FERPA) regulations or requirements be violated.

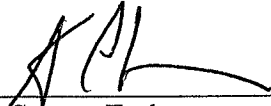
SIGNATURE OF RESPONSIBLE AUTHORITIES AT THE COOPERATING INSTITUTIONS

For Lawrence Technological University

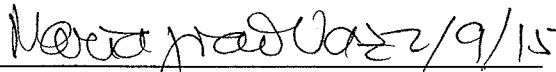


Dr. Virinder Moudgil (date)
President 2/9/15

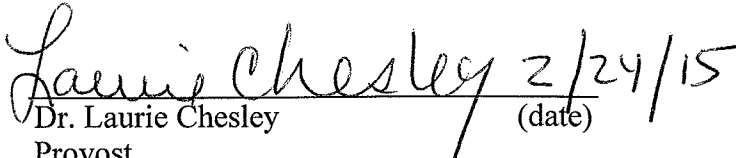
For Grand Rapids Community College




Dr. Steven Ender (date)
President 2/26/15




Dr. Maria Vaz (date)
Provost 2/9/15



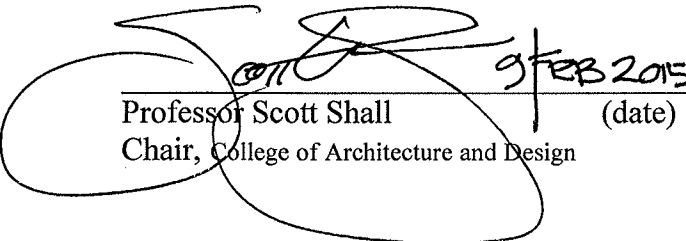
Dr. Laurie Chesley (date)
Provost 2/24/15




Professor Glen LeRoy (date)
Dean, College of Architecture and Design 9 Feb 15



Dr. Fiona Hert (date)
Dean, School of Workforce Development 2/13/2015



Professor Scott Shall (date)
Chair, College of Architecture and Design 9 FEB 2015



Professor David Dye (date)
Program Coordinator, Department of Mechanical
and Architectural Design 2/12/15

Articulation Form

GRCC Contact: Dave Dye, Program Coordinator ddye@grcc.edu

LTU Contacts: Scott Shall, Chair sshall@ltu.edu
Ali Barnard, Manager, Marketing + Support abarnard@ltu.edu

Mathematics

Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
MA 131 OR	Precalculus	5	MCS 1214	Intro Math Analysis 1	4
MA 133	Calculus with Analytic Geometry 1	5	MCS 1414	Calc 1	4
				Subtotal	4

Communications

EN 101	English Composition I	3	COM 1103	English Composition	3
EN 102	English Composition II	3			
				Subtotal	3

Natural Sciences

PHY 125	College Physics I	4	PHY 2213	College Physics 1	5
			PHY 2221	College Physics Lab	1
*Lab/Non-Lab Elective from a different discipline		4			
				Subtotal	4

Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
Humanities					
AT 105 OR	History of Art before 1400	3	LLT 1213	World Masterpieces I	3
AT 106	History of Art after 1400	3			
Select 1					
EN 233	Poetry	3	LLT 1223	World Masterpieces II	3
EN 235	Drama	3			
EN 237	Fiction: Shorter and Longer Forms	3			
EN 270	Multicultural Literature	3			
				Subtotal	6

Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
Social Science					
HS 101 OR	Western Civilization to 1500	4	SSC 2413	Foundations of the American Experience	3
HS 102 OR	Western Civilization since 1500	4			
HS 120 OR	World History to 1500	3			
HS 121	World History since 1500	3			
AND					
PS 110*	Survey of American Government	3	SSC 2423	Development of the American Experience	3
				Subtotal	6

Design/Visualization

Design/Visualization (Reviewed by Chair, Scott Shall)

Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
AR 201	Architectural Graphics	3	ARC 1213	Visual Communication 1	3
AR 202	Architectural Graphics II	3	ARC 1223	Visual Communication 2	3
AT 130	2D Design I	3	ART 1113	Basic Design 1	3
AT 150	3D Design	3	ART 1133	Basic Design 2	3
			ARC 2117	Integrated Design 1	7
			ARC 2126	Integrated Design 2	6
			ARC 3117	Integrated Design 3	7
			ARC 3126	Integrated Design 4	6
			ARC 4116	Integrated Design 5	6
			ARC 4126	Comprehensive Design	6
			ARC 2813	Visual Communications 3	3
				Subtotal	12

Please note: Students requesting transfer credit for design coursework are required to submit a design portfolio to demonstrate that their work meets the learning objectives for these courses.

History/ Theory			History/Theory (Reviewed by Professor Dale Gyure)		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
AR 111	Orientation to Architecture	2	ARC 1012	Art/Design Awareness	2
			ARC 3613	History of the Design Env. 1	3
			ARC 3623	History of the Design Env. 2	3
			ARC 4183	20th Century Architecture	3
				Subtotal	2

Construction Systems (Reviewed by Professor Ashraf Ragheb)			Construction Systems (Reviewed by Professor Ashraf Ragheb)		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
AR 218	Sustainable Residential Design	3	ARC 2313	Construction Systems 1	3
AR 105	Construction Materials I	3			
AR 170	Arch Working Drawings	4	ARC 2323	Construction Systems 2	3
AR 106	Construction Materials II	3			
				Subtotal	6

Building Technologies (Reviewed by Professor Janice Means)			Building Technologies (Reviewed by Professor Janice Means)		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
			ARC 3423	HVAC & Water Systems	3
			ARC 4443	Acoustical, Elect. & Illum. Sys.	3

Structures (Reviewed by: Dan Faoro)			Structures (Reviewed by Professor Dan Faoro)		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
			ARC 2513	Basic Structures	3
			ARC 3513	Intermediate Structures	3
			ARC 4543	Advanced Structures	3

Electives (Reviewed by Scott Shall)			Electives (Reviewed by Scott Shall)		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
AR 119	Introduction to Architectural CAD	3	ARC/ART/ARI_3	3 Credit Elective	3
AR 129	Architectural 3D CAD	3	ARC/ART/ARI_3	3 Credit Elective	3
Wellness (GRCC Requirement)					
WE XXX	Wellness Elective	1		Subtotal	6
				Total	49

These courses are GRCC requirements and not eligible for transfer to LTU

Wellness		
WE XXX	Wellness Elective	1
Natural Sciences		
	*Lab/Non-Lab Elective from a different discipline	4