

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 and LTU equivalents.
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 student's attainment of all NAAB criteria (SC) assigned to any studio or visual communication courses.
- 6. Transfer Agreement**– Provided all entrance requirements are met, applicants will be granted a minimum of 59 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. Further transfer credits may be awarded upon further assessment.
- 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 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

For Grand Rapids Community College

Dr. Virinder Moudgil (date)
President

Dr. Bill Pink (date)
President

Dr. Maria Vaz (date)
Provost

Dr. Brian Knetl (date)
Provost

Professor Karl Daubmann (date)
Dean, College of Architecture and Design

Dr. Amy Mansfield (date)
Dean, School of Workforce Development

Assoc. Professor Scott Shall (date)
Assoc. Dean, College of Architecture and Design

Assistant Professor Michael Merchant (date)
Department Head, Department of Mechanical
and Architectural Design

Assoc. Professor Jim Stevens (date)
Chair, Department of Architecture, CoAD

Assistant Professor Charlotte Pease (date)
Assistant Professor

*Please Note: The signed version of the document is kept on file in the GRCC Instructional Support Office. The final signature was performed on 03/11/2020. For more information, please contact the Director of Transfer & Articulation Services at 616-234-3183.

Articulation Form

School of Work Force Development, Grand Rapids Community College (GRCC)		
Contacts: Michael Merchant, Department Head/Assistant Professor (mmerchan@grcc.edu) Charlotte Pease, Assistant Professor (cpease@grcc.edu)		

College of Architecture + Design, Lawrence Technological University (LTU)			
Contacts: Scott Shall, Associate Dean (sshall@ltu.edu) Jane Rohrback (jrohrback@ltu.edu)			

Communications		
Course Number	Course Title	Credit Hours
EN 101	English Composition I	3
COM 131 OR COM 135	Fundamentals of Public Speaking Interpersonal Communication	3 3

Course Number	Course Title	Possible Credit Hours	Hours
COM 1103	English Composition	3	3
COM 2103	Tech Prof Com	3	3
Subtotal		6	6

Mathematics		
Course Number	Course Title	Credit Hours
MA 110 + MA 108 OR MA 131	College Algebra [4] + Trigonometry [3] Precalculus	7 5
MA 129 OR MA 133	Survey of Calculus Calculus with Analytic Geometry I	5 5

Course Number	Course Title	Credit Hours	Credit Hours
MCS 1074	Pre-Calculus	4	4
MCS 1414	Survey of Calculus	4	4
Subtotal		8	8

Natural Sciences		
Course Number	Course Title	Credit Hours
PH 125	College Physics I	5
Varies	*Nat Sci Lab/Non Lab General Education - Elective	Varies

Course Number	Course Title	Credit Hours	Credit Hours
PHY 2213	College Physics 1	3	3
PHY 2221	College Physics Lab	1	1
SCI	Sustainability	3	
Subtotal		7	4

Humanities		
Course Number	Course Title	Credit Hours
<i>Select 2 courses from the following</i>		
AT 105 OR	History of Art Before 1400	3
AT 106	History of Art Since 1400	3
EN 233	Poetry	3
EN 235	Drama	3
EN 270	Multicultural Literature	3
EN 252	Shakespeare	3
EN 261	Great American Writers I	3
EN 262	Great American Writers II	3
EN 271	African American Literature I	3
EN 272	African American Literature II	3
HU 204	Civilization and Culture I (Antiquity-AD 1500)	3
HU 205	Civilization and Culture II (AD 1500-Present Day)	3
HU 274	American Cinema Genres	3

Course Number	Course Title	Credit Hours	Credit Hours
LLT 1213	World Masterpieces 1	3	3
LLT 1223	World Masterpieces 2	3	3
Subtotal		6	6

Social Science		
Course Number	Course Title	Credit Hours
<i>Select 2 courses from the Following [must be in different disciplines]</i>		
HS 101	Western Civilization to 1500	4
HS 102	Western Civilization Since 1500	4
HS 120	World History to 1500 CE	3
HS 121	World History Since 1500	3
PS 110	Survey of American Government	3
AN 201	Introduction to Anthropology	3
AN 205	Introduction to Archaeology	3
AN 210	Cultural Anthropology	3
AN 280	The Culture and History of Native Americans	3
GE 135	World Regional Geography	3
GE 253	Geography of the U.S. and Canada	3
GE 281	Immigration & Ethnicity in America	3
HS 160	U.S. History Through Reconstruction	3
HS 161	U.S. History from Reconstruction to the Present	3
HS 251	African American History and Culture	3
HS 290	History of Russia and East Europe	3
PS 200	State & Local Politics	3
PS 201	Comparative Governments	3
PS 202	International Relations	3
PS 215	The Survey of Asian Politics	4
SO 251	Principles of Sociology	3
SO 254	Social Problems	3
SO 260	Race & Ethnicity	3
PY 201	General Psychology	3

Course Number	Course Title	Credit Hours	Credit Hours
SSC 2413	Foundations of the American Experience	3	3
SSC 2423	Development of the American Experience	3	3
Subtotal		6	6

Design/Visualization**		
Course Number	Course Title	Credit Hours
AR 201 AND AR 119	Architectural Graphics I Introduction to Architectural CAD	3 3
AR 202 AND AR 129	Architectural Graphics II Architectural 3D CAD	3 3
AT 130	Two Dimensional Design I Principles	3
AT 150	Three Dimensional Design	3

Design/Visualization (Reviewed by Chair, Scott Shall) **			
Course Number	Course Title	Credit Hours	Credit Hours
ARC 1213	Intro to Visual Communication	3	3
ARC 1223	Visual Communication	3	3
DES 1213	Design Principles	3	3
DES 1223	Design Methodologies	3	3
ARC 2813	Information Modeling and Simulation	3	0
ARC 3823	Prototyping and Fabrication	3	0
ARC 2116	Integrated Design 1	6	0
ARC 2126	Integrated Design 2	6	0

				ARC 3116	Integrated Design 3	6	0
				ARC 3126	Integrated Design 4	6	0
				ARC 4116	Integrated Design 5	6	0
				ARC 4126	Comprehensive Design	6	0
			18	Subtotal		54	12
** A portfolio is required in order to grant credit for all LTU courses listed under Design/Visualization							
History/ Theory				History/Theory (Reviewed by Professor Deidre Hennebury)			
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>		<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Credit Hours</i>
AR 111	Orientation to Architecture	2		DES 1022	Introduction to Design	2	2
				ARC 3613	History of the Design Env. 1	3	0
				ARC 3623	History of the Design Env. 2	3	0
				ARC 4183	20th Century Architecture	3	0
				DES 4112	Design Leadership	2	0
		2		Subtotal		11	2
Construction Systems (Reviewed by Professor Ashraf Ragheb)				Construction Systems (Reviewed by Professor Ashraf Ragheb)			
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>		<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Credit Hours</i>
AR 218 AND AR 105	Sustainable Residential Design Construction Materials I	3 3		ARC 2313	Construction Systems 1	3	3
AR 120 AND AR 106	Architectural Working Drawings I Construction Materials II	4 3		ARC 2323	Construction Systems 2	3	3
		13		Subtotal		6	6
Building Technologies (Reviewed by Professor Janice Means)				Building Technologies (Reviewed by Professor Janice Means)			
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>		<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Credit Hours</i>
				ARC 3423	HVAC & Water Systems	3	3
				ARC 4443	Acoustical, Elect. & Illum. Sys.	3	3
				Subtotal			
Structures (Reviewed by: Dan Faoro)				Structures (Reviewed by Professor Dan Faoro)			
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>		<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Credit Hours</i>
				ARC 2513	Basic Structures	3	0
				ARC 3513	Intermediate Structures	3	0
				ARC 4543	Advanced Structures	3	0
				Subtotal		9	0
Electives (Reviewed by Scott Shall)				Electives (Reviewed by Scott Shall)			
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>		<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Credit Hours</i>
AT 105 OR AT 106	History of Art Before 1400 History of Art Since 1400	3 3		ARC 2843	3 CR Elective	3	3
				ARC 3843	3 CR Elective	3	3
				ARC/ART/ARI_2	2 Credit Elective	2	
				Total		8	6
				118			
				59			