

TRANSFER AGREEMENT

Between

The Lutheran University Association Inc.
d/b/a Valparaiso University (VU)

and

Ivy Tech Community College Statewide (ITCC)

For Transfer of Ivy Tech Community College's Associate of Science (A.S.) degree in Chemistry to Valparaiso University's Bachelor of Science (B.S.) Degree in Chemistry

Statement of Purpose

The purpose of this transfer agreement is to provide a basis for a cooperative relationship between VU and ITCC to benefit students who desire to complete a bachelor's degree. The intent is for ITCC students completing the Transfer as a Junior degree program to move seamlessly to the VU Bachelor of Science degree program.

Transfer Agreement

Ivy Tech Community College graduates from the Associate of Science degree program of study in Chemistry may transfer and apply 60 credit hours from that completed degree to the requirements for Valparaiso University's Bachelor of Science degree in Chemistry.

***Addendum One:** ITCC Curriculum for Associate of Science in Chemistry
Indiana College Core Requirements
Associate of Science Course Requirements*

***Addendum Two:** Course Requirements for Transfer Details*

The course requirements for this transfer agreement, including remaining courses required at VU (transfer institution) to fulfill the baccalaureate degree requirements and a sample semester sequence

***Addendum Three:** Indiana College Core Course Transfer Information*

Additionally, under the terms of this agreement:

1. Ivy Tech students are eligible for admission with junior standing to VU provided:
 - a. The student has submitted a complete application for admission to VU.
 - b. A course grade of "C" or better must be earned to be accepted for transfer¹.
 - c. The student has a 2.5 or higher grade-point average on a 4-point scale².
2. As ITCC graduates complete the credit hour requirements for the award of the B.S. degree in Chemistry, they must meet the graduation requirements as approved by VU at the time of the student's admission to the B.S. degree in Chemistry.
3. Written notice of intention to terminate, modify, or withdraw from this Articulation Agreement will be submitted by the academic head of either institution at least one academic semester prior to the proposed date of termination/withdrawal. Should a decision be made to modify or dissolve this agreement, students who are already attending VU at the time will be permitted to continue as long as their academic performance remains in good standing.


¹ VU policy is "C-" or better. ITCC requested "C" or better to align with ITCC grading system.


² Minimum admissible GPA for VU transfer student admission.


4. Recognizing that changes in curricula and course content are inevitable, each institution agrees to discuss with the other institution all curriculum changes affecting this agreement before the changes are implemented.
5. This agreement becomes effective when all signatures are affixed and remains in effect for two years from the date below. After two years, the agreement may be renewed with or without modification by mutual agreement of both Ivy Tech Community College and Valparaiso University.

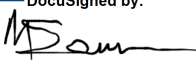
Agreed to March 22, 2022 (date)

Ivy Tech Community College

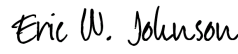
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 Dean G. McCurdy, Ph.D.
 Interim Provost and Senior Vice President
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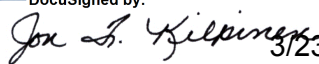
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 Russell D. Baker, Ed.D.
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 R. Louie Gonzalez
 Campus Chancellor, Lake County

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 Margaret M. Semmer, Ed.D.
 Vice Chancellor for Academic Affairs
 Lake County

**The Lutheran University Association Inc.
d/b/a Valparaiso University**

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 Eric W. Johnson, Ph.D.
 Provost and Executive Vice President
 for Academic Affairs

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 Jon T. Kilpinen, Ph.D.
 Dean, College of Arts and Sciences

**Addendum One: Ivy Tech Community College Curriculum
College-Wide Curriculum of Record
School of Arts, Sciences, and Education
Chemistry Program
Associate of Science Degree
2021-22**

Recommended Full-Time Course Sequence

The following suggested sequence includes all course requirements for this degree.

		Credits
*ENGL 111	English Composition	3
*CHEM 105	General Chemistry I	5
*MATH 211	Calculus I	4
IVYT 111	Student Success in University Transfer	1
*COMM 101	Fundamentals of Public Speaking	3
CHEM 106	General Chemistry II	5
*MATH 212	Calculus II	4
ENGL 215	Rhetoric and Argument	3
*XXXX XXX	*Select one of the following Social and Behavioral Ways of Knowing Electives	3
	ANTH 154 Cultural Anthropology	
	ECON 201 Principles of Macroeconomics	
	ECON 202 Principles of Microeconomics	
	HIST 101 Survey of American History I	
	HIST 102 Survey of American History II	
	POLS 101 Intro to American Government & Politics	
	POLS 211 Intro to World Politics	
	PSYC 240 Human Sexuality	
	SOCI 111 Intro to Sociology	
	SOCI 245 Cultural Diversity	
	SOCI 252 Social Problems	
CHEM 211	Organic Chemistry I	5
*PHYS 220	Mechanics	5
CHEM 215	Quantitative Chemical Analysis	3
CHEM 212	Organic Chemistry II	5
PHYS 221	Heat, Electricity and Optics	5
^CHEM 279	Intro to Scientific Research	3
*XXXX XXX	*Select one of the following Humanistic and Artistic Ways of Knowing Electives	3
	ARTH 101 Survey of Art and Culture I	
	ARTH 102 Survey of Art and Culture II	

ARTH 110	Art Appreciation	
ENGL 202	Creative Writing	
ENGL 206	Introduction to Literature	
ENGL 220	Introduction to World Literature Through the Renaissance	
ENGL 221	Introduction to World Literature After the Renaissance	
ENGL 222	American Literature To 1865	
ENGL 223	American Literature After 1865	
HUMA 118	Music Appreciation	
PHIL 102	Introduction to Ethics	
		Total 60 credits

^ Capstone Course

* Required for Indiana College Core (ICC) Certificate

The Indiana College Core (ICC) Certificate requirements for this degree require a minimum of 30 credits. The ICC Certificate requires a minimum of one course from six areas of study. The number of ICC elective courses shown above may vary based on required ICC course credits earned, area of study, and the student's Individual Academic Plan. The remaining degree requirements provide a mechanism for students to obtain the required minimum 60 credits to graduate with the appropriate Associate level transfer degree.

Addendum Two: Valparaiso University Course Equivalencies and Requirements
Bachelor of Science in Chemistry
2021-22

ITCC Course	ITCC Title	ITCC Credit Hours	VU Course	VU Credit Hours
ITCC Transfer General Education Curriculum				
ENGL 111	English Composition	3	CORE 110 (+CORE 115 equiv. based on >30 trf credits)	3
COMM 101	Fundamentals of Public Speaking	3	CVA 243	3
MATH 211	Calculus I	4	MATH 131	4
MATH 212	Calculus II	4	MATH 132	4
CHEM 105	General Chemistry I	5	CHEM 121 + CHEM 121L + TR UND	4+0+1
PHYS 220	Mechanics	5	PHYS 141 + PHYS 141L + TR UND	3+1+1
Social and Behavioral Ways of Knowing Elective - Choose One ³ : ANTH 154, ECON 201, ECON 202, HIST 101, HIST 102, POLS 101, POLS 211, PSYC 240, SOCI 111, SOCI 245, or SOCI 252	Cultural Anthropology, Principles of Macroeconomics, Principles of Microeconomics, Survey of American History I, Survey of American History II, Intro to American Government & Politics, Intro to World Politics, Human Sexuality, Intro to Sociology, Cultural Diversity, or Social Problems	3	TR-UNDCD, ECON 222, ECON 221, HIST 120, HIST 121, POLS 120, POLS 150, SOC 110, PSY-UNDCD, SOC-UNDCD, SOC 210	3

³ If a student chooses a different Social and Behavioral Ways of Knowing Elective from the ICC Certificate, that course will transfer to VU as undistributed elective credit toward the Bachelor of Science degree requirements. The student will then fulfill the missing VU Bachelor of Science General Education requirement at VU.

Human and Artistics Ways of Knowing Elective - Choose One⁴: ARTH 101, ARTH 102, ARTH 110, ENGL 202, ENGL 206, ENGL 220, ENGL 221, ENGL 222, ENGL 223, HUMA 118, or PHIL 102	Survey of Art and Culture I, Survey of Art and Culture II, Art Appreciation, Creative Writing, Intro to Literature, Intro to World Literature Through the Renaissance, Intro to World Literature After the Renaissance, American Lit to 1865, American Lit After 1865, Music Appreciation, or Intro to Ethics	3	CVA 101, CVA 102, TR-UNDHF, ENGL 201, ENGL 200, ENGL-UNDHL, ENGL-UNDHL, ENGL 312, ENGL 313, MUS 101, or PHIL 125	3
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ITCC Program Course Requirements

ENGL 215	Rhetoric and Argument	3	ENGL 431	3
CHEM 106	General Chemistry II	5	CHEM 122 + CHEM 122L + TR UND	4+0+1
PHYS 221	Heat, Electricity and Optics	5	PHYS 142 + PHYS 142L + TR UND	3+1+1
CHEM 211	Organic Chemistry I	5	CHEM 221 + CHEM 221L + TR UND	4+0+1
CHEM 212	Organic Chemistry II	5	CHEM 222 + CHEM 222L + TR UND	4+0+1
CHEM 215	Quantitative Chemical Analysis	3	CHEM 230	3

ITCC Other Institutional Requirements

IVYT 111	Student Success in University Transfer	1	TR UND	1
^CHEM 279	Intro to Scientific Research	3	CHEM 190 + TR UND	1+2

Total Credits for ITCC A.S. in Chemistry Degree	60	Total Transfer Credits to VU	60
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⁴ If a student chooses a different Human and Artistic Ways of Knowing Elective from the ICC Certificate, that course will transfer to VU as undistributed elective credit toward the Bachelor of Science degree requirements. The student will then fulfill the missing VU Bachelor of Science General Education requirement at VU.

Sample course sequence for B.S. in Chemistry at Valparaiso University

Fifth Semester

VU Course	VU Course Title	Credits
CHEM 311 or 321	Elementary Physical Chemistry or Physical Chemistry I	4
CHEM 499	Chemistry Colloquium	0
Minor Course		3-4
THEO 200 (could fulfill WIC here)	The Christian Tradition	3
Remaining Gen Ed (could fulfill WIC here)		3
Other Elective		3
Total Semester		16-17

Sixth Semester

VU Course	VU Course Title	Credits
CHEM Elective		3-4
CHEM 499	Chemistry Colloquium	0
Minor Course		3-4
Remaining Gen Eds		6
KIN 101	Wellness and Stress	1
Other Elective		3
Total Semester		16-18

Seventh Semester

VU Course	VU Course Title	Credits
CHEM Elective		3-4
CHEM 499	Chemistry Colloquium	0
Minor Course		3-4
WIC course (if needed) or other elective		3
Social Science Gen Ed		3
THEO 300		3
Total Semester		15-17

Eighth Semester

VU Course	VU Course Title	Credits
CHEM Elective		3-4
CHEM 499	Chemistry Colloquium	0
Minor Course		3-4
Minor Course (if needed) or other elective		3-4
Other Elective(s)		4-6
Total Semester		15-16

Total Credit Requirement at VU: 124 credits (60 transfer + 64 VU)

Addendum Three: Indiana College Core Course Transfer Information

The following courses or discipline categories are recommended or required to fulfill Ivy Tech Community College's Indiana College Core for students pursuing the Bachelor of Science degree in Computer Science from Valparaiso University. The information below provides details on how these course requirements will be transferred to meet Valparaiso University degree requirements.

Ivy Tech Community College Courses Fulfilling Indiana College Core Competencies

**** All courses are appropriate for STEM programs unless otherwise noted.**

Written Communication **3 credits** **STEM: 3 credits**
ENGL 111 English Composition* transfers as **CORE 110 First-Year Seminar** with CORE 115 First-Year Seminar being waived by transferring in >30 credits toward the BS degree requirements. Students will complete another Writing Intensive Course (WIC) at VU.

Speaking and Listening **3 credits** **STEM: 3 credits**
COMM 101 Fundamentals of Public Speaking* and/or COMM 102 Intro to Interpersonal Communication transfer as CVA 243 Public Speaking or CVA 145 Interpersonal and Small Group Communication elective credit toward the BS degree requirements.

Quantitative Reasoning **8 credits** **STEM: 8 credits**
MATH 211 Calculus I* transfers as MATH 131 Calculus I, fulfilling the **Quantitative Analysis** BS degree requirement. MATH 212 Calculus II* transfers as MATH 132 Calculus II elective credit toward the BS degree requirements.

Scientific Ways of Knowing **10 credits** **STEM: 10 credits**
CHEM 105 General Chemistry I* transfers as CHEM 121 General Chemistry + Lab, fulfilling half of the **Natural Science** cluster for the BS degree requirements. PHYS 220 Mechanics* transfers as PHYS 141 Newtonian Mechanics + Lab, fulfilling the second half of the **Natural Science** cluster for the BS degree requirements.

Social and Behavioral Ways of Knowing **3 credits** **STEM: 3 credits**
ECON 201 Principles of Economics; ECON 202 Principles of Microeconomics; POLS 101 Introduction to American Government and Politics; POLS 211 Introduction to World Politics; and SOCI 111 Introduction to Sociology; transfer as fulfilling half of the **Social Science** cluster for the BS degree requirements.
ANTH 154 Cultural Anthropology; PSYC 240 Human Sexuality; SOCI 245 Cultural Diversity; and SOCI 252 Social Problems transfer as fulfilling the **Cultural Diversity** BS degree requirement.
HIST 101 Survey of American History I; HIST 102 Survey of American History II; and HIST 112 World Civilization II transfer as fulfilling half of the **Humanities** cluster for the BS degree requirement.
PSYC 101 Introduction to Psychology transfers as fulfilling half of the **Natural Science** cluster for the BS degree requirement if the student completes a PSY 111 General Psychology Lab at VU.
PSYC 201 Lifespan Development; PSYC 205 Abnormal Psychology transfer as psychology major/minor courses, elective credit toward a degree in Biology.
ECON 101 Economics Fundamentals; SOCI 164 Multicultural Studies; and HIST 111 World Civilization I transfer as **undistributed elective credit** toward the BS degree requirements.

Humanistic and Artistic Ways of Knowing **3 credits** **STEM: 3 credits**

ARTH 101 Survey of Art & Culture; ARTH 102 Survey of Art and Culture II; ARTH 110 Art Appreciation; ENGL 202 Creative Writing; ENGL 206 Introduction to Literature; ENGL 220 Introduction to World Literature; ENGL 221 Introduction to World Literature After the Renaissance; ENGL 222 American Literature to 1865; ENGL 223 American Literature After 1865; HUMA 118 Music Appreciation; PHIL 102 Introduction to Ethics; transfer as fulfilling half of the **Humanities** cluster for the BS degree requirement.

ENGL 214 Introduction to Poetry; HUMA 100 Theatre Appreciation; PHIL 101 Introduction to Philosophy; PHIL 220 Philosophy of Religion; FREN 101 French Level I; FREN 102 French Level II; FREN 201 French Level III; FREN 202 French Level IV; GERM 101 German Level I; GERM 102 German Level II; SPAN 101 Spanish Level I; SPAN 102 Spanish Level II; SPAN 201 Spanish Level III; SPAN 202 Spanish Level IV transfer as **undistributed elective credit** toward the BS degree requirements.

Total Indiana College Core

30 credits

***CTL courses**