

**Program to Program Articulation Agreement  
between  
the College of Lake County and the University of Wisconsin-Parkside**

Effective Fall 2016

The purpose of this degree completion agreement is to provide improved transfer opportunities for learners at College of Lake County (CLC) who desire further education to enter the University of Wisconsin-Parkside (UW-Parkside). Through the collaborative efforts of faculty, student services, and administration, learners will encounter a clear path to reach their educational goals. Since there are courses that are common to both institutions, a rationale exists to create an agreement for seamless transfer and assist the College of Lake County student in acquiring a baccalaureate degree at UW-Parkside under conditions listed below.

Learners who successfully complete the following College of Lake County degree:

**ASSOCIATE OF SCIENCE IN**

**CHEMISTRY**

And who meet the admission requirements of the University of Wisconsin-Parkside and other conditions specified in this agreement will be admitted with up to 71 credits toward a:

**BACHELOR OF SCIENCE DEGREE**

**WITH A MAJOR IN CHEMISTRY WITH A**

**PROFESSIONAL CHEMISTRY CONCENTRATION**

## PROVISIONS OF THIS AGREEMENT:

1. **Admission and Eligibility.** It is the learner's responsibility to demonstrate fulfillment of the current admission requirements of UW-Parkside at the time of entry. Please note that this program articulation agreement is valid only for College of Lake County students who have successfully completed all A.S. degree requirements in Chemistry at College of Lake County and have a minimum cumulative GPA of 2.25 in all A.S. courses taken at College of Lake County. Furthermore, learners must maintain a minimum GPA of 2.00 in all courses required for the Chemistry major with a Professional Chemistry Concentration taken at UW-Parkside in order to complete the B.S. degree with a major in Chemistry with a Professional Chemistry Concentration. Further, College of Lake County learners are required to declare the major of Chemistry with a Professional Chemistry Concentration once admitted to the University of Wisconsin-Parkside.
2. **Advising.** UW-Parkside and College of Lake County will provide academic advising to College of Lake County learners inquiring about UW-Parkside programs. Learners will be connected with a UW-Parkside advisor in the College of Natural and Health Sciences and/or the Chemistry Department prior to transfer. UW-Parkside and College of Lake County will share materials, catalogs, and other information to facilitate their understanding of requirements and programs. The College of Lake County will assist the UW-Parkside Admission Office and the College of Natural and Health Sciences and the Chemistry Department in arranging recruitment events on its campuses.
3. **Marketing.** Any marketing of this agreement will be subject to the prior approval of both parties and will adhere to each institution's standards for the use of its name and logo. Each institution will assume responsibility for appropriate marketing to reach its student population. Each institution may provide a link to this agreement and/or the other institution at its website, with notice to the other party.
4. **Accreditation.** Both parties agree that failure to maintain regional accreditation will be grounds for termination of the agreement. Failure to maintain accreditation required by the specific academic program(s) referenced in this agreement will be grounds for exclusion of that program from the agreement.
5. **Tracking of Use.** If possible, the College of Lake County will provide UW-Parkside's admission office the names of students following the articulation agreement and who intend to transfer to UW-Parkside. This will allow UW-Parkside to plan for the admission, advising and orientation of these transfer students. In order to effectively assess the effectiveness of the articulation agreement, the University of Wisconsin-Parkside will track the students participating in this articulation agreement and will provide the following to both CLC and UW-Parkside on an annual basis:
  - A. The number of students currently enrolled in classes at UW-Parkside participating in the agreement
    - a. This list should include the current UW-Parkside email addresses of these students for effective follow-up and advising at UW-Parkside

- B. The number of credits earned by each student currently enrolled in classes at UW-Parkside participating in the agreement
  - C. The number of students graduating from UW-Parkside participating within the agreement
6. **Periodic Review.** The College of Lake County and UW-Parkside will collaboratively review the articulation agreements annually starting in Fall 2017 to discuss any issues, significant or minor, that may arise within the governance of this agreement. This agreement shall automatically be renewed for additional successive two year periods unless a party terminates the memorandum by providing notice to the other in writing on or before one hundred and eighty (180) days prior to expiration of the original term or any renewal term. Both parties will meet on an annual basis
7. **Cancellation.** Both parties agree to provide at least one-hundred eighty (180) days' advance written notification of their intent to cancel this agreement. College of Lake County students who apply to UW-Parkside prior to the cancellation date will be permitted to transfer credits under the agreement terms.
8. **Conditions:** Conditions requested by the receiving institution are listed on the following pages. The University of Wisconsin-Parkside and College of Lake County have produced this guide as a tool for students. Every effort is made to maintain accurate information; however, this guide is subject to change. Students should contact the faculty and/or advisors to stay informed of changes, as final responsibility for verifying information rests with the student.

### **Specifications for**

### **BACHELOR OF SCIENCE DEGREE**

### **CHEMISTRY MAJOR – Professional Chemistry Concentration (ACS Approved)**

#### **A. General Education and Diversity Requirements:**

All students entering UW-Parkside under this articulation agreement and who therefore have completed their A.S. Degree in Chemistry from the College of Lake County and who further have completed their Ethnic Diversity course (via taking one of the approved Multicultural Courses from the College of Lake County found within this agreement) will have completed their General Education and Ethnic Diversity Requirements at UW-Parkside.

#### **B. Skills Requirements:**

Completion of A.S. in the Chemistry program at College of Lake County completes the Reading and Writing skills and the Computational skills requirements via the following courses: ENG 122 for UW-Parkside's required ENGL 101 and MTH 145 (Calculus and Analytical Geometry) will satisfy and exceed the Computational Mathematics Skills Requirement, MATH 111, at UW-Parkside.

#### **C. Foreign Language Requirement:**

College of Lake County students need to meet the UW-Parkside foreign language requirement. Additional information is available in the university catalog.

**D. Total Credits and GPA Graduation Requirements**

A minimum of 120 credits is required to graduate with any bachelor's degree and students must earn a minimum of 30 of their final 60 credits at UW-Parkside as outlined in university policy. All UW-Parkside graduates must have a minimum overall GPA requirement of 2.00 (combination of transfer and UW-Parkside credits) in order to graduate from UW-Parkside.

## Transfer Guide Sheet for Courses from College of Lake County to UW-Parkside

College of Lake County Course	Required Course Name	College of Lake County Credits	UW-Parkside Course	Course Name	UW-Parkside Credits Awarded
CHM 121	General Chemistry I	5	CHEM 101	General Chemistry I (NS GEN Ed Credit)	5
CHM 123	General Chemistry II	5	CHEM 102	General Chemistry II	5
CHM 222*	Organic Chemistry I	5	CHEM 321*	Organic Chemistry I	4
			TRAN 3XX	(1 additional 300-level credit within the Chemistry major and for 300-level graduation requirement at UWP)	1
CHM 223*	Organic Chemistry II	5	CHEM 322*	Organic Chemistry II	4
			TRAN 3XX	(1 additional 300-level credit within the Chemistry major and for 300-level graduation requirement at UWP)	1
MTH 145	Calculus and Analytical Geometry I	5	MATH 221	Calculus and Analytical Geometry I (NS GEN Ed Credit)	5
MTH 146	Calculus and Analytical Geometry II	5	MATH 222	Calculus and Analytical Geometry II	5
PHY 123	Physical Science and Engineering I	5	PHYS 201	General Physics I (NS GEN Ed Credit)	5
PHY 124	Physical Science and Engineering II	5	PHYS 202	General Physics II	5
<i>Major credit SUBTOTAL</i>					40
ENG 122	English Composition II	3	ENGL 101	Composition and Reading	3
<i>UW-Parkside Skill Requirements SUBTOTAL</i>					3
#				Credits toward UW-Parkside General Education Requirements	
ENG 121	English Composition I	3	TRAN 1XX	General Elective	3
CMM 121	Fundamentals of Speech	3	SPCH 105	Public Speaking (HU GEN Ed Credit)	3
SB 1XX**	Elective in Social Sciences	3	TRAN 1XX SB	SB GEN Ed Credit	3
SB 1XX	Elective in Social Sciences	3	TRAN 1XX SB	SB GEN Ed Credit	3
SB 1XX	Elective in Social Sciences	3	TRAN 1XX SB	SB GEN Ed Credit	3
BIO 161	General Biology I	4	BIOS 101	Bioscience (NS GEN Ed Credit)	4
HU 1XX**	Elective in Humanities and Fine Arts	3	TRAN 1XX HU	HU GEN Ed Credit	3
HU 1XX**	Elective in Humanities and Fine Arts	3	TRAN 1XX HU	HU GEN Ed Credit	3
HU 1XX**	Elective in Humanities and Fine Arts	3	TRAN 1XX HU	HU GEN Ed Credit	3
<i>UW-Parkside General Education SUBTOTAL</i>					28
<i>College of Lake County Transferable Credits</i>					71

SB Gen Ed Cr = Social & Behavioral Science General Education Credit; NS Gen Ed Cr = Natural Science General Education Credit; HU Gen Ed Cr = Humanities and the Arts Credit

\*The UWP Department of Chemistry agrees that CHM 222 and 223 from CLC will satisfy the CHEM 321, 322 and 323 requirements within the core of the Chemistry Major at UWP. Additionally, since the CHM 222 and CHM 223 courses only have a combined total of 10 credits, and the CHEM 321, 322 and 323 sequence at UWP is a total of 11 credits, the UWP Department of Chemistry agrees to a one-credit waiver within the core Organic Chemistry requirements for the major in Chemistry within this articulation agreement. This equivalency for Organic Chemistry is specifically for students participating in this articulation agreement.

# As a result of completing the A.S. in Chemistry Degree from CLC outlined in this agreement, students will have fulfilled their 1) General Education Requirements at UW-Parkside, 2) Their ENGL and MATH Skills requirements at UW-Parkside, and 3) their Diversity requirement at UW-Parkside.

\*\*CLC offers the following courses within their "multicultural" course requirement: ENG 263 – Early Minority American Writers; ENG 264 – Modern Minority American Writers; SOC 225 – Class, Race, and Gender; and THE 123 – Diversity in American Theatre. These specific courses will also satisfy the UW-Parkside Diversity requirement needed for graduation

## Students participating in this articulation agreement are encouraged to take ECO 221 and ECO 222 at CLC as these classes are required for the Industrial Chemistry Concentration within the Chemistry department at UW-Parkside.

## Information Regarding UW-Parkside Chemistry Degree Completion Requirements

UW-Parkside Degree Requirements	College of Lake County courses	Credits Completed at College of Lake County that count toward degrees	Credits to be completed at UW-P	Courses/Credit Requirements to be completed at UW-P
Humanities and the Arts: 12 credits (HU)	HU 1XX** Humanities and Fine Arts Elective  HU 1XX** Humanities and Fine Arts Elective  HU 1XX** Humanities and Fine Arts Elective  CMM 121 Fundamentals of Speech	12	0	Students who take one of the following Humanities courses will have met UW-Parkside Ethnic Diversity Requirement:  ENG 263 – Early Minority American Writers OR ENG 264 – Modern Minority American Writers OR THE 123 – Diversity in American Theatre
Social and Behavioral Sciences: 12 credits (SB)	SB 1XX Social Science Elective SB 1XX Social Science Elective SB 1XX Social Science Elective	9	0	Students who take the following social science courses will have met UW-Parkside Ethnic Diversity Requirement:  SOC 225 – Class, Race, and Gender;  Completion of AA degree satisfies general education requirement
Natural Science: 12 credits (NS)	CHM 121 General Chemistry I MTH 145 Calculus and Analytical Geometry I PHY 123 Physical science and Engineering I BIO 161 General Biology I	(19)	0	NOTE: 15 of the 19 credits already count under required Chemistry and Math courses
Ethnic Diversity Requirement: 3 credits		0	0-3	Can be fulfilled by courses referenced under Humanities and the Arts or Social and Behavioral Sciences
Reading and Writing Skills Requirement: ENGL 101	ENG 122 English Composition II	3	0	
Computational Skills Requirement: MATH 111 or Higher	MTH 145 Calculus and Analytical Geometry I (see above)	0	0	
Foreign Language (FL)		0	8	
Chemistry and Professional Chemistry Concentration Core Courses	CHM 121 – General Chemistry I CHM 123 – General Chemistry II CHM 222 – Organic Chemistry I CHM 223 – Organic Chemistry II	20	28	CHEM 302 - Physical Chemistry I CHEM 303 - Physical Chemistry II # CHEM 304 - Physical Chemistry Lab# CHEM 308 – Biochemistry Laboratory CHEM 310 – Inorganic Chemistry CHEM 324 - Chemistry of Biological Systems CHEM 400 - Instrumental Analysis Laboratory CHEM 401 – Advanced Org. Chem. Lab CHEM 495 or 497 – Senior Seminar or Thesis
Advanced Chemistry Elective Courses		0	3	CHEM 306 Chemical Instrumentation OR CHEM 402 Advanced Organic Chemistry OR CHEM 410 Advanced Biochemistry
Math and Physics Requirements	MTH 145 – Calculus and Analytical Geometry I MTH 146 – Calculus and Analytical Geometry II PHY 123 – Phys. Science & Engineering I PHY 124 – Phys. Science & Engineering II	20	0	
Other Elective courses	ENG 121 English Composition I	3	7-10	Any level general elective courses
<b>Totals</b>		<b>71</b>	<b>49</b>	

## Appendix A

### 1: Requirements in the major for completion of Bachelor in Science – Chemistry with a General Chemistry Concentration at UW-Parkside.

In order to complete the Chemistry major with a General Chemistry Concentration at UW-Parkside, students need to enroll and complete all courses required for the Chemistry major with a General Chemistry Concentration. The following table shows the required courses for the major, what is fulfilled by the agreement and the courses needed to be completed at UW-Parkside.

As a result of completing the A.S. in Chemistry Degree from the College of Lake County outlined in this agreement, students will have fulfilled their 1) General Education Requirements at UW-Parkside, 2) Their ENGL and MATH Skills requirements at UW-Parkside, and 3) their Diversity requirement at UW-Parkside. These students may still have to fulfill their foreign language requirement at UW-Parkside.


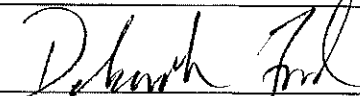
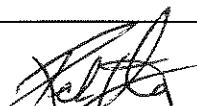


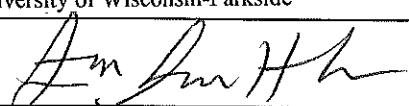
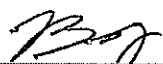

Required <u>core</u> Chemistry courses and Required <u>core</u> courses in Professional Chemistry Concentration (ACS Approved) <sup>#</sup>		Courses to be completed at CLC by Agreement		Courses to be completed at UW-Parkside	
Course	Credits	Course	Credits	Course	Credit
CHEM 101 - General Chemistry I	5	CHM 121 – General Chemistry I	5		
CHEM 102 - General Chemistry II	5	CHM 123 – General Chemistry II	5		
CHEM 206 - Quantitative Analysis	4			CHEM 206	4
CHEM 302 - Physical Chemistry I	4			CHEM 302	4
CHEM 303 - Physical Chemistry II <sup>#</sup>	3			CHEM 303	3
CHEM 304 - Physical Chemistry Lab <sup>#</sup>	2			CHEM 304	2
CHEM 308 – Biochemistry Laboratory	2			CHEM 308	2
CHEM 310 – Inorganic Chemistry	3			CHEM 310	3
CHEM 321 - Organic Chemistry I	4	CHM 222 – Organic Chemistry I	5		
CHEM 322 - Organic Chemistry II	4	CHM 223 – Organic Chemistry II	5		
CHEM 323 - Organic Chemistry Lab <sup>#</sup>	3			* 1 cr waiver	
CHEM 324 - Chemistry of Biological Systems	3			CHEM 324	3
CHEM 400 - Instrumental Analysis Laboratory	3			CHEM 400	3
CHEM 401 – Advanced Org. Chem. Lab	3			CHEM 401	3
CHEM 495 or 497 – Senior Seminar or Thesis	1			CHEM 495 or 497	1
<b>Core Total</b>	<b>46</b>		<b>20</b>		<b>28</b>
Physics & Mathematics		Courses to be completed at CLC by Agreement		Courses to be completed at UW-Parkside	
Course	credits	Course	Credits	Course	Credit
MATH 221- Calculus and Analytical Geometry I	5	MTH 145 – Calculus and Analytical Geometry I	5		
MATH 222 - Calculus and Analytical Geometry II	5	MTH 146 – Calculus and Analytical Geometry II	5		
PHYS 201 - General Physics I	5	PHY 123 – Phys. Science & Engineering I	5		
PHYS 202 - General Physics II	5	PHY 124 – Phys. Science & Engineering II	5		
<b>Total</b>	<b>20</b>		<b>20</b>		
Chemistry Elective Courses		Courses to be completed at CLC by Agreement		Courses to be completed at UW-Parkside	
Course	credits			Course	Credits
Adv. Elective Lecture	3			CHEM 306, 402, 410	3
<b>Elective Total</b>	<b>3</b>				<b>3</b>
<b>TOTAL</b>	<b>72</b>	<b>40</b>			<b>31</b>
					includes a cr. waiver

**OFFICIAL CONTACT PERSONS:**

<p><b>For College of Lake County</b>                  Jorge Nieto                  Academic Operations Manager, Biological and Health Sciences Division                  19351 W. Washington St.                  Grayslake, IL 60030                  847-543-2595                  jnieto1@clc.illinois.edu</p>	<p><b>For University of Wisconsin – Parkside</b>                  Dr. Bryan Lewis                  Interim Associate Dean, College of Natural and Health Sciences                  900 Wood Road, Box 2000                  Kenosha, WI 53141-2000                  262.595-2330                  bryan.lewis@uwp.edu</p>
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**SIGNATURES**

This agreement, signed and dated on \_\_\_\_\_ has been reviewed and approved by both institutions for the term specified.  
 Date

<p> 6/23/16                  Jerry Weber, Ph. D., President                  Date                  College of Lake County</p>	<p> 7/29/16                  Deborah Ford, Ed.D., Chancellor                  Date                  University of Wisconsin – Parkside</p>
<p> 6/21/16                  Rich Hancy, Ed.D., Provost                  Date                  College of Lake County</p>	<p> 7-20-16                  Robert Ducoffe, Ph.D.                  Provost/Vice Chancellor                  Date                  University of Wisconsin-Parkside</p>
<p> 6/9/16                  Maureen Robinson, Dean                  Date                  Biological and Health Sciences Division                  College of Lake County</p>	<p> 7/18/16                  Dr. Emmanuel Otu, Dean                  Date                  College of Natural and Health Sciences                  University of Wisconsin-Parkside</p>
<p> 6/13/16                  Bruce Moy, Ph.D. Chair                  Date                  Chemistry Department                  College of Lake County</p>	<p> 18 July 2016                  Dr. Lori Allen, Chair                  Date                  Department of Chemistry                  University of Wisconsin-Parkside</p>