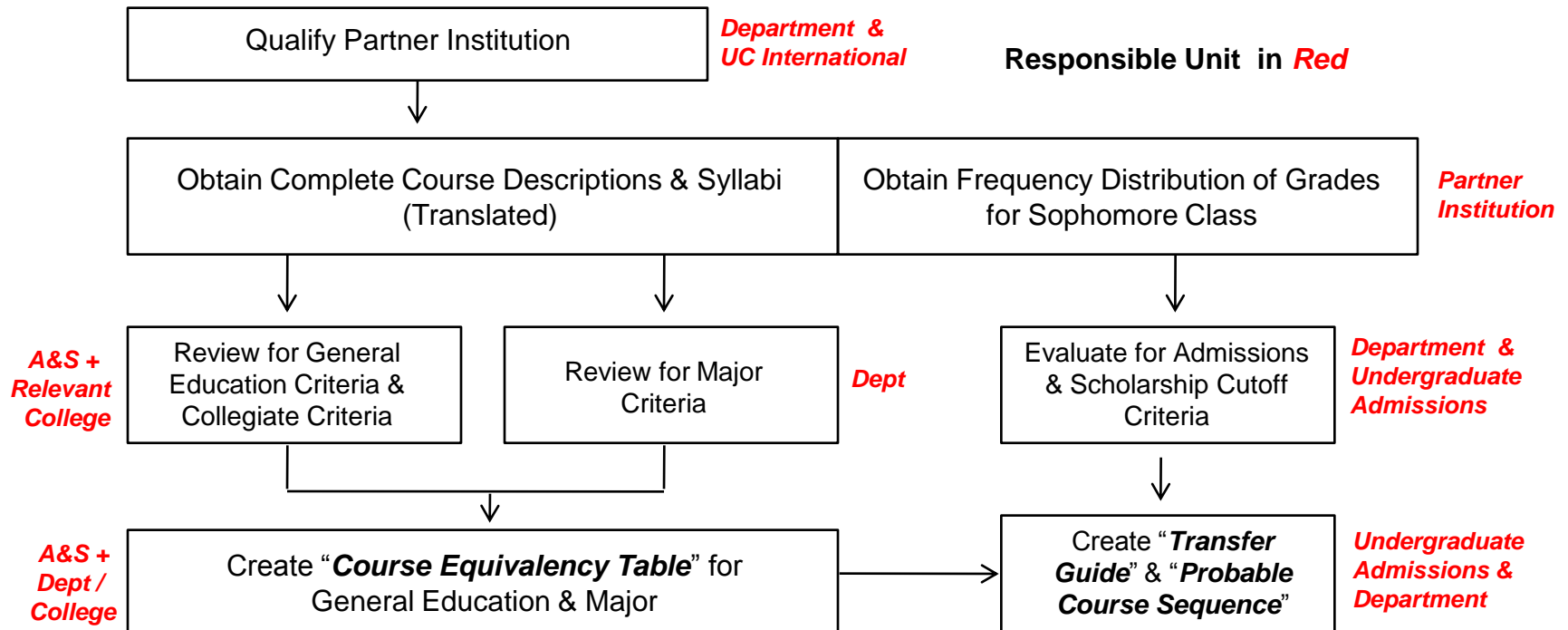


# Flowchart for Creating International Articulation Agreements (2+2, 2+3, etc.)



**Process Results in These Operating Documents:**

- Course Equivalency Table – Gen Ed
- Course Equivalency Table – Major
- Probable Course Sequence
- Transfer Guide
- Institutional Collaboration Agreement
- Articulation Agreement

## Sample Documents

**University of Cincinnati**  
**Transfer Articulation Agreement**  
**Course Equivalency Table – General Education Requirements**

**XYZ University/UC McMicken College of Arts & Sciences, Department of Chemistry**  
**Requirements for McMicken Core/General Education Requirements**

UC MCMICKEN COLLEGE OF A&S CORE/GENERAL EDUCATION REQUIREMENTS (credit hrs)	Required Quarter Credit Hours	Credit Hours from XYZ Equivalent Courses	REMAINING CREDIT HOURS REQUIRED	SUGGESTED COURSES
<b>SOCIAL &amp; ETHICAL ISSUES</b>				Can be satisfied by other S/E designated course
<b>ENGLISH COMPOSITION</b>	9	0*	9	15 ENGL 101, 102, 289
<b>FOREIGN LANGUAGE</b>	15-18	15	0	native language meets requirement
<b>NATURAL SCIENCES</b>	15	15	0	
<b>MATHEMATICS</b>	9	15	0	
<b>HISTORY</b>	9	0	9	See "History" in A&S Core Checklist for two additional courses
<b>LITERATURE</b>	6	0	6	See "Literature" in A&S Core Checklist for two Literature courses
<b>BEHAVIORAL AND SOCIAL SCIENCES</b>	15	0	15	See "B/SS" in A&S Core Checklist for two additional courses
<b>HUMANITIES</b>	9	0	9	Needs three Humanities courses. Consider PHIL 247—Ethics of Scientific Research PHIL 345—Issues of the Information Age; see "Humanities" in A&S Core Checklist
<b>TOTALS</b>	<b>87-90</b>	<b>45</b>	<b>48</b>	

\* English course credit will be determined by the English Placement Test taken upon arrival at UC.  
- The A&S Core Checklist provides a complete list of courses that will meet both A&S core requirements as well as General Education requirements.

**University of Cincinnati Transfer Articulation Agreement**  
**Course Equivalency Table**  
**XYZ/UC McMicken College of Arts & Sciences, Department of Chemistry**  
**Requirements for B.S. in Chemistry**

Majors must complete a minimum of 76 Chemistry hours, 15 Math hours, and 15 Physics hours.

UC Courses	Required Credit Hours	Credit Hours from ICC Equivalent Courses	Remaining Credit Hours Required	Choose from the following courses
<b>I. First Year Chemistry Lecture and Lab, Chem. 101-103, 111-113</b>	<b>15</b>	<b>15*</b> C-1013, C-1023, C-2703/3703, C-2902/3902	<b>0</b>	
Calculus and Analytic Geometry, Math. 251-253, 256-257	15	15 A levels + C-1043 and C-1063	0	
General Physics, Phys. 201-203, 211-213	15	0 <sup>@</sup>	15	Phys. 201-203, 211-213
<b>II. Organic Chemistry lecture and lab, Chem. 201-203, 211-213</b>	<b>16</b>	<b>16</b> C-1033, 2033, 2803 and 3803	<b>0</b>	
<b>Sophomore Seminar for Chemistry Majors, Chem. 280</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>Chem. 280</b>
<b>III. Physical Chemistry lecture and lab</b>	<b>11</b>	<b>0</b>	<b>11</b>	Chem. 381-383, 563
<b>IV. Physical/Analytical Measurements I and II</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>Chem. 361-362</b>
<b>Inorganic Chemistry lecture and lab</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>Chem. 441-2, 444</b>
<b>V. Analytical Chemistry</b>	<b>8</b>	<b>0</b>	<b>8</b>	Chem. 341-342, 562
<b>Introduction to biochemistry, Chem. 421</b>	<b>4</b>	<b>0</b>	<b>4</b>	Chem. 421
Organic Spectroscopy, Chem. 544	3	0	3	Chem. 544
<b>VI. Capstone</b>	<b>4</b>	<b>0</b>	<b>4</b>	Chem. 499 or Chem. 562-563*
VII. Capstone Seminar	1	0	1	Chem. 480
<b>Total</b>	<b>106*</b>	<b>46<sup>@</sup></b>	<b>60*</b>	

Among the required 106 credit hours, 46 are credited from the courses taken at XYZ (once an appropriate physics sequence is taught at XYZ University, another 15 credits may transfer). Students in the 2+2 program need additional 60 credit hours at UC to satisfy the requirements of a B.S. in Chemistry. \*Major requirements that also meet A&S distribution/General Education requirements: Chem. 101-103, 111-113; Math 251-253, 256-257. These courses do not need to be repeated for the major.

<sup>@</sup> - once an appropriate physics sequence is taught at XYZ University, it will be considered for transfer credit at UC.

\* - if Chem. 562-563 is used for capstone, these courses fulfill two requirements, reducing the credit count by 4 credits.

**Possible Sequence of Courses for Students Coming from XYZ University (Country),  
for a 2 + 2 Plan\***

**Year 3 (Year 1 at the University of Cincinnati)**

<b>Autumn (15)</b>	<b>Winter (15)</b>	<b>Spring (14)</b>
Chem. 361 (3)	Chem. 341 (3)	Chem. 342 (3)
Chem. 381 (3)	Chem. 382 (3)	Chem. 383 (3)
Chem. 441 (3)	Chem. 442 (3)	Chem. 444 (2)
Engl. 101 (3)	Engl. 102 (3)	Social Science (3)*
Social Science (3)*	Social Science (3)*	Social Science (3)*

**Summer after Year 3**

History (3)*	History (3)*
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**Year 4 (Year 2 at the University of Cincinnati)**

<b>Autumn (15)</b>	<b>Winter (16)</b>	<b>Spring (15 credits)</b>
Chem. 362 (2)	Chem. 562 (2)	Chem. 563 (2)
Chem. 421 (4)	Chem. elective (2)	Chem. 480 (1)
Chem. 544 (3)	Engl. 289 (3)	Social Science (3)*
Humanities (3)*	Humanities (3)*	Humanities (3)*
Literature (3)*	Literature (3)*	History (3)*
	Free Elective (3)	Free Elective (3)

\* - the Arts and Sciences Distribution requirements (9 credits of English composition, 15 credits of social/behavioral science, 6 credits of literature, 9 credits of history and 9 credits of humanities) are largely interchangeable in terms of timing (i.e. when they are taken). However, writing-intensive courses, including history and literature, should not be taken until completion of English composition. All UC students are evaluated on their skill at English composition. Students who are well prepared in this area may be exempted from one or more English composition courses (e.g. Eng. 101, 102 and/or 289). Students should plan their individual programs in consultation with the Arts and Sciences Advising Center.

*Assumptions: transfer credit granted for*

Calculus (15 credits)  
 Physics (15 credits)  
 First Year Chemistry (15 credits)  
 Organic Chemistry (16 credits)  
 Foreign Language (15 credits)  
 Free Electives (8 electives)

## **Transfer Guide for Transfer of XYZ University Chemistry Students into the UC McMicken College of Arts & Sciences Chemistry B.S. Program**

1. Students should follow the 2-year transfer program as outlined in the Transfer Program Guide (jointly set by XYZ and the Department of Chemistry and the College of Arts & Sciences). A minimum GPA of 3.0 (out of 4.00) at XYZ is required for transfer admission; a minimum GPA of 3.25 is required for the Global Transfer Scholarship.
2. At the beginning of the 2nd semester of the 2nd year at XYZ, students should apply for transfer online as described below.
3. Following the student's confirmation, the University of Cincinnati will send the student a list of courses accepted for transfer and a transition schedule beginning in the Fall quarter along with other academic information. This will assume that all second semester courses will be passed.
4. There will be both an international student orientation session and a UC McMicken College of Arts & Sciences orientation in September. Students will be able to get registered at the college session.
5. A suggested course schedule is attached.

### **Documents needed for UC Admissions Office**

6. Application with \$40 fee to the University of Cincinnati:  
<http://www.admissions.uc.edu/international>.
7. XYZ transcript in English showing courses taken as well as courses in progress in the second semester, as well as official copies of A-level results.
8. Following the end of the 2nd semester of the 2nd year at XYZ, an updated transcript with grades is required.
9. One of the following tests of English proficiency is required:
  - a. TOEFL [www.ets.org](http://www.ets.org) (minimum score of 213 computer-based, 550 paper-based or 79 internet-based)
  - b. IELTS [www.ielts.org](http://www.ielts.org) (minimum score of 6.0)
10. Financial Certification Forms. Forms are found at: <http://www.isso.uc.edu>. Parent or sponsor fills out documents to verify funds available for year one studies at the University of Cincinnati.

### **All documents and questions on Admissions go to:**

Jonathan Weller, University of Cincinnati, Office of Admissions  
2624 Clifton Avenue, Cincinnati, OH 45221-0091, USA  
[jonathan.weller@uc.edu](mailto:jonathan.weller@uc.edu), +1-513-556-1073

### **Confirming your Admission to UC**

Complete instructions on the Confirmation process will be included in the student's acceptance package. (An additional confirmation fee will be required.) Please confirm your acceptance as soon as possible; I-20s cannot be issued until a student has confirmed his or her admission.

### **For Questions concerning Financial Certification Documents and Visa Process**

Ron Cushing, UC International Student Services  
P.O. Box 210627, Cincinnati, OH 45221 USA  
[ronald.cushing@uc.edu](mailto:ronald.cushing@uc.edu), +1-513-556-2879

### **For Questions concerning UC's Department of Chemistry**

Professor Bruce S. Ault, University of Cincinnati, Department of Chemistry  
P.O. Box 210172, Cincinnati, OH 45221 USA  
[bruce.ault@uc.edu](mailto:bruce.ault@uc.edu) +1-513-556-9238



**College of Chemical  
Sciences**

UNIVERSITY OF  
**Cincinnati**



**Institute of  
Chemistry Ceylon**

### **Institutional Collaboration Agreement**

This institutional collaboration agreement ("Agreement") is made by and between the University of Cincinnati, and the College of Chemical Sciences of the Institute of Chemistry Ceylon each a "Party" and collectively the "Parties."

Whereas the Parties have mutual interests in promoting training, research, education and publication through joint activities.

Now, therefore, the Parties agree as follows:

#### **Statement of Intent**

Through this Agreement, each Party intends to facilitate collaboration and cooperation between the Parties in areas of mutual interest for the purpose of enhancing the Parties' contribution to higher education internationally. Each Party further intends to learn from the other Party, in a spirit of friendship, equality, and mutual interest.

#### **Scope**

Each Party agrees to give due consideration to any request to collaborate and cooperate on any of the following areas:

- Joint research and training programs;
- Faculty and student exchange;
- The preparation of joint proposals for external funding;
- Joint programs of consulting and evaluation;
- Joint sponsorship of conferences;
- Joint publication;
- Exchange of materials, articles and other publications; and
- Other such activities as may be mutually agreed upon.

#### **Activity Agreements**

The Parties shall only undertake joint activities pursuant to a jointly-authored contract, properly signed by all Parties.

#### **Duration**

This Agreement takes effect on the date both Parties have signed, and terminates five years thereafter.

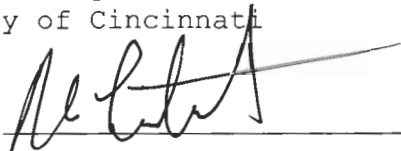
**Modification or Termination**

The written provisions contained in this Agreement constitute the sole and entire agreement made between the Parties relating to collaboration and any amendments to this Agreement shall not be valid unless made in writing and signed by both Parties. This Agreement can be terminated at will by either Party immediately upon written notice to the other Party. Notice is effective when deposited in care of each Party's responsible representative, named below, or when otherwise reasonably effectuated.

**Signature and Notices: University of Cincinnati**

Accepted and Agreed  
University of Cincinnati

Signed: \_\_\_\_\_



Printed Name: Dr. Mitch Leventhal

Title: Vice Provost, International Affairs

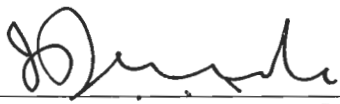
Date: September 06, 2008

For notices to the University of Cincinnati, contact:  
Dr. Mitch Leventhal  
Vice Provost, International Affairs

**Signature and Notices: College of Chemical Sciences,  
Institute of Chemistry Ceylon**

Accepted and Agreed  
College of Chemical Sciences, Institute of Chemistry Ceylon

Signed: \_\_\_\_\_



Printed Name: Professor J.N.O. Fernando

Title: Dean, College of Chemical Sciences

Date: September 06, 2008

For notices to College of Chemical Sciences, Institute of Chemistry  
Ceylon, contact:  
Mr. N.I.N.S. Nadarasa  
Registrar



**Articulation Agreement between the University of Cincinnati (USA)  
McMicken College of Arts & Sciences, Chemistry Department  
and XYZ University (Country)**

This is an Articulation Agreement between the University of Cincinnati (UC) and XYZ University (XYZ). It establishes a framework for collaboration between our two institutions as part of a mutually sponsored “2 + 2” program in chemistry between UC and XYZ. This agreement will facilitate the transition of XYZ chemistry students who have completed their first two years of study at XYZ into UC’s baccalaureate (B.S.) degree program in Chemistry.

**General Provisions:**

- The program detailed in this Articulation Agreement will begin upon signing and last for five (5) years and is subject to review whenever either party makes curricular changes that impact this program, or modifies admissions criteria. Any agreed changes to the program must be expressed in writing and signed by both parties.
- Either partner can terminate the agreement with six (6) months advance notice in writing. In the event the agreement is terminated, students already in the program will be allowed to finish their course of study.
- UC agrees to admit up to X qualified applicants per year to this program.

It is understood that specified credits earned by XYZ students will be accepted by the University of Cincinnati’s McMicken College of Arts & Sciences. Two (2) Course Equivalency tables are attached: one for General Education requirements and one for Chemistry requirements. These documents outline how courses from XYZ will transfer into the McMicken College of Arts & Sciences. A separate Transfer Guide details the procedure for making application to this program, and a document titled Possible Sequence of Courses for Students Coming from the Institute of Chemistry Ceylon, details the probable pathway for most students.

Students must pass TOEFL (minimum score of 213 computer-based, 550 paper-based or 79 internet-based) or IELTS (minimum score of 6.0) to be eligible to apply for the 2+2 program.

Students are required to have a GPA of 3.0 (on a 4.0 scale) or its equivalent from XYZ for admission to the program; a GPA of 3.25 is required to obtain the UC Global Transfer Scholarship, to be used toward the tuition. The value of this scholarship, currently set at US \$7,000 per annum, may be adjusted in the future in proportion to changes in the overall tuition costs or changing criteria. Students will need to maintain a UC GPA of 3.2 in order to renew the scholarship.

#### Degrees:

Students completing required courses with passing grades will earn a B.S. degree from the University of Cincinnati. XYZ may, at its discretion, also award its own degree or diploma to those who complete all requirements towards a B.S. degree from UC.

#### Resources:

Each side will identify staff to support this collaboration. Staff will be used primarily to manage the academic activities including, but not limited to, reviewing applications as well as advising and identifying potential students for the program. For students who qualify, scholarships will be used to offset part of the tuition costs.

#### Timetable:

The projected agreement is planned for five (5) years. The continuation of the collaboration is based on the assessment results from both institutions.

#### Roles and Responsibilities:

Professor Bruce Ault, Director of Undergraduate Studies, Department of Chemistry at the University of Cincinnati and Professor \_\_\_\_\_ at XYZ are the main contact persons and are designated responsible for coordinating the relevant collaborative activities.

Professor Bruce Ault	Professor _____
Professor & Undergraduate Program Director	TITLE
Department of Chemistry	
McMicken College of Arts & Sciences	XYZ University
University of Cincinnati	Department of Chemistry
P.O. Box 210172	City
Cincinnati, OH 45221 USA	Country
Tel: +1 513 556-9238	Tel: +
Fax: +1 513 556-9239	Fax: +
Email: bruce.ault@uc.edu	Email:

#### Outcomes:

The Articulation Agreement will be assessed annually by both institutions to ensure that the number of participating students in the proposed academic track meets the target number of a minimum of two (2) students to a maximum of ten (10) students. We expect a high level of student success and will monitor closely to make sure that student schedules and support structures assure that outcome.

Assumptions:

Neither institution will be responsible for any conditions or situations which lie substantially outside the control of the partners.

Institutional Signatories:

For the University of Cincinnati

For XYZ University

Dr. Valerie Hardcastle, Dean  
McMicken College of Arts & Sciences

Dr.  
Department of Chemistry

\_\_\_\_\_ (date)

\_\_\_\_\_ (date)

Dr. Mitch Leventhal  
Vice Provost for International Affairs

Dr.

\_\_\_\_\_ (date)

\_\_\_\_\_ (date)

Attachments:

Course Equivalency Table – General Education  
Course Equivalency Table – Chemistry  
Transfer Guide for Applicants