

TRANSFER ARTICULATION AGREEMENT

Cincinnati State Technical & Community College, Associate of Applied Science,
Chemical Technology

to

University of Cincinnati, College of Engineering & Applied Science,
Bachelor of Science in Chemical Engineering with a Minor in Chemistry



Originating Institution: Cincinnati State Technical & Community College

Degree/Program: Associate of Applied Science (AAS) / Chemical Technology

Target Institution: University of Cincinnati / College of Engineering & Applied Science

Degree/Program: Bachelor of Science (BS) / Chemical Engineering with Minor in Chemistry (CHEM Minor)

Introduction: This agreement details the applicability of courses from the Cincinnati State Technical & Community College AAS Chemical Technology to the BS Chemical Engineering with CHEM Minor in the College of Engineering & Applied Science. Students who complete the AAS Chemical Technology at Cincinnati State Technical & Community College have partially satisfied the UC General Education requirement.

Articulation Overview: Graduates from Cincinnati State Technical & Community College who have followed the prescribed program and are accepted into the College of Engineering & Applied Science will enter with 46 hours of transfer credit applicable toward the BS Chemical Engineering degree with CHEM Minor.

Admission Criteria: *Note: completing the courses on the appendices below does not guarantee admission to the BS Chemical Engineering with CHEM Minor program.

Minimum GPA: 2.8

BS Completion: Completion of this program may require more than five semesters to complete due to prerequisite requirements and the order in which required courses must be taken and are offered. UC academic advising staff will work with each transfer student to develop the most expedient pathway to graduation.

Admission Period: Cincinnati State Technical & Community College students must be admitted to the UC College of Engineering & Applied Science during the duration of this agreement (i.e. between October 2022 and August 2026).

Agreement Execution Date: October 2022

Agreement End Date: August 2026

EXECUTION, DURATION AND REVIEW OF AGREEMENT:

This agreement becomes effective upon its signing by the Deans of both Colleges and will remain effective for four years. At the end of this time, the agreement will be reviewed and may be renegotiated. Cincinnati State Technical & Community College and the UC College of Engineering & Applied Science agree to keep one another informed as program changes affecting the agreement occur. The Deans of both Colleges will agree upon any future additions and/or amendments to this document in writing.

This agreement will be reviewed on an annual basis and is subject to change due to revisions in program curriculum.

Cincinnati State Technical & Community College students are encouraged to work closely with their academic advisor to monitor possible changes.

SEE ATTACHED APPENDICES FOR COURSE EQUIVALENCIES AND SAMPLE TRANSFER DEGREE MAPS.

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signed on 12/7/2022

Dr. Doug Bowling
Dean
Engineering & Technologies Division
Cincinnati State Technical & Community College

signed on 12/7/2022

Ann Fallon, MS
Program Chair
Chemical / Environmental Technologies
Cincinnati State Technical & Community College

signed via DocuSign on 12/14/2022

Dr. John Weidner
Dean
College of Engineering & Applied Science
University of Cincinnati

signed via DocuSign on 12/14/2022

Dr. Anastasios Angelopoulos
Department Head
Chemical and Environmental Engineering
College of Engineering & Applied Science
University of Cincinnati

signed via DocuSign on 12/13/2022

Dr. Stephen W. Thiel
Undergraduate Program Director
Chemical Engineering
College of Engineering & Applied Science
University of Cincinnati

Primary Contact Person for this Agreement:

	Cincinnati State Technical & Community College	University of Cincinnati
Name Title	Dr. Myshamil Walker Transfer Center, Director	Andrew Shrigley Sr Transfer & Articulation Specialist College Credit Services, Enrollment Management
Email	myshamil.walker@cincinnati-state.edu	credeval@uc.edu
Mailing Address	Cincinnati State Technical & Community College 3520 Central Parkway Cincinnati, Ohio 45223-2690	College Credit Services University Pavilion 120 PO Box 210202 Cincinnati, Ohio 45221-0202

Transfer Degree Map

FROM

Cincinnati State Technical & Community College
**Associate of Applied Science (AAS)
Chemical Technology**

TO

University of Cincinnati
College of Engineering & Applied Science
**Bachelor of Science (BS)
Chemical Engineering,
Chemistry (CHEM) Minor**

This agreement is valid from **October 2022** to **August 2026**

Admissions & Deadlines

Transfer Admissions Information: admissions.uc.edu/information/transfer

Admission Criteria:

- Completion of the courses on this worksheet does not guarantee admission to the UC program.
- Students who complete the AAS Chemical Technology at Cincinnati State Technical & Community College have partially satisfied the UC General Education requirement.
- Students must be admitted to the UC College of Engineering & Applied Science during the duration of this agreement.
- Minimum GPA: 2.8

Tuition & Scholarships

General Tuition & Fees: uc.edu/bursar/fees

Scholarships for transfer students: financialaid.uc.edu/sfao/scholars/transfer

Contact Information

UC admissions questions:

Undergraduate Admissions

Web: admissions.uc.edu

Email: transfer@uc.edu

Pre-transfer and transition advising at UC:

Transfer & Transition Advising Center

Web: uc.edu/transferadvising

Email: transfer@uc.edu

Details of this agreement or equivalencies:

Andrew Shrigley, Sr Transfer & Articulation Specialist,
College Credit Services, credeval@uc.edu

More Information

BS Chemical Engineering majors in the College of Engineering & Applied Science:

<https://ceas.uc.edu/academics/departments/chemical-environmental-engineering/degrees-programs/chemical-engineering-bachelor-of-science.html>

Chemistry minors in College of Arts & Sciences:

<https://www.artsci.uc.edu/departments/chemistry/minor-in-chemistry.html>

General information about the University of Cincinnati: uc.edu

Transfer Degree Map

Curriculum Equivalencies

The following suggested course sequence includes all course requirements for this articulation agreement (e.g. courses required for the Cincinnati State Technical & Community College AAS Chemical Technology and remaining UC courses for the BS Chemical Engineering with CHEM Minor). You should consult with an academic advisor each semester to ensure you maintain appropriate degree progress and are fulfilling all requirements for the agreement. Course sequencing below assumes a fall start date. If starting the program during any other term, please consult with your academic advisor. For details beyond course planning, please consult with your academic advisor or the Transfer & Transition Advising Center.

SEMESTER 1					
Cincinnati State Technical & Community College			University of Cincinnati		
Course ID	Course Title	Cr Hr	Course ID	Course Title	Cr Hr
CMT 111	Chemical Technology	1	CHTN 1000BLOCK	<i>Partially replaces ENED 1100</i>	1
CHE 121 and CHE 131	General Chemistry 1 and General Chemistry 1 Lab	4 1	CHEM 1040 and CHEM 1040L	General Chemistry I and General Chemistry I Lab	4 1
ENG 101	English Composition 1	3	ENGL 1001	English Composition	3
MAT 151	College Algebra	4	MATH 1021	<i>Not used in BS Program</i>	-
FYE 1XX	First Year Experience Elective	1	FYE or MLTI	<i>Not used in BS Program</i>	-
XXX XXX	Arts/Humanities or Social/Behavioral Science Elective	3	BoK	Fine Arts (FA), Humanities (HU), or Social Science (SS)	3

SEMESTER 2					
Cincinnati State Technical & Community College			University of Cincinnati		
Course ID	Course Title	Cr Hr	Course ID	Course Title	Cr Hr
CMT 112	Chemical Technology 2	1	CHTN 1000BLOCK	<i>Partially replaces ENED 1100</i>	1
CHE 111	Bio-Organic Chemistry	4	CHEM 1031 and CHEM 1031L	<i>Not used in BS Program</i>	-
CHE 122 and CHE 132	General Chemistry 2 and General Chemistry 2 Lab	4 1	CHEM 1041 and CHEM 1041L	General Chemistry II and General Chemistry II Lab	4 1
MAT 152	Trigonometry	4	MATH 1022	<i>Not used in BS Program</i>	-

SEMESTER 3

Cincinnati State Technical & Community College			University of Cincinnati		
Course ID	Course Title	Cr Hr	Course ID	Course Title	Cr Hr
CMT 291	Full-Time Cooperative Education 1: Chemical Technology	2	COOP 2000BLOCK	<i>Replaces COOP 2011</i>	-

SEMESTER 4

Cincinnati State Technical & Community College			University of Cincinnati		
Course ID	Course Title	Cr Hr	Course ID	Course Title	Cr Hr
CMT 220	Analytical Chemistry	4	CHEM 2050	Analytical Chemistry <i>(Applies to Chemistry Minor only)</i> <i>(1 hr not used)</i>	3 -
COMM 110	Public Speaking	3	COMM 1071	Intro to Public Speech [HU]	3
ENG 104	English Composition 2: Technical Composition <i>(English Composition Elective)</i>	3	ENGL 2089	<i>Replaces ENGL 4092</i>	3
MAT 251	Calculus 1 <i>(Technical Elective 1)</i>	5	MATH 1061	Calculus I <i>(1 hr not used in BS Program)</i>	4 -
PHYS 201	Physics 1: Calculus-Based <i>(Science Elective 1)</i>	5	PHYS 2001 and PHYS 2001L	College Physics I <i>and (Counts as Technical Elective)</i>	4 1

SEMESTER 5

Cincinnati State Technical & Community College			University of Cincinnati		
Course ID	Course Title	Cr Hr	Course ID	Course Title	Cr Hr
CMT 230	Chemical Instrumental Analysis	4	CHEM 2000BLOCK	<i>Not used in BS Program</i>	-
CMT 285	Chemical Research	1	CHTN 2000BLOCK	<i>Partially replaces ENED 1100</i>	1
PHY 202	Physics 2: Calculus-Based <i>(Science Elective 2)</i>	5	PHYS 2002 and PHYS 2002L	College Physics II <i>and (Counts as Technical Elective)</i>	4 1
MAT 252	Calculus 2 <i>(Technical Elective 2)</i>	5	MATH 1062	Calculus II <i>(1 hr not used in BS Program)</i>	4 -
XXX XXX	Technical Elective 3	2		<i>Not used in BS Program</i>	-

SEMESTER 6

Cincinnati State Technical & Community College			University of Cincinnati		
Course ID	Course Title	Cr Hr	Course ID	Course Title	Cr Hr
CMT 292	Full-Time Cooperative Education 2: Chemical Technology	2	COOP 2000BLOCK	<i>Replaces COOP 2012</i>	-

Total transfer credits toward UC degree + CHEM Minor:

46

Total credits required for bachelor's degree at UC:

124**Remaining Coursework at University of Cincinnati**

Course sequencing below assumes a **fall start date**. Some courses are not offered every semester and may present time conflicts if beginning program in a term other than fall. Consult your College of Engineering and Applied Science academic advisor with scheduling needs to ensure you are making appropriate degree progress and fulfilling requirements. For details beyond course planning, please consult with your academic advisor or the Transfer & Transition Advising Center.

SEMESTER 7 (FALL/SPRING)

Course ID	Course Title	Cr Hr
CHE 2064	Material and Energy Balances	4
CHEM 2040	Organic Chemistry I	4
CHEM 2040L	Organic Chemistry Laboratory I	1
MATH 2073	Ordinary Differential Equations	3
	Engineering Elective (<i>replaces ENED 1120 requirement</i>)	3

SEMESTER 8 COOP

Course ID	Course Title	Cr Hr
COOP 3011	COOP for CEAS (Third Semester Experience)	0

SEMESTER 9 (SUMMER/FALL)

Course ID	Course Title	Cr Hr
CHE 3022	Transport I	4
CHEM 2041	Organic Chemistry II	4
CHEM 2041L	Organic Chemistry Lab II	1
ENED 3066	Engineering Statistics	3
BoK: SCE	Society, Culture, and Ethics course	3

SEMESTER 10 COOP

Course ID	Course Title	Cr Hr
COOP 4011	COOP for CEAS (Fourth Semester Experience)	0

SEMESTER 11 (SPRING/SUMMER)

Course ID	Course Title	Cr Hr
CHE 3023	Transport II	3
CHE 3062	Chemical Engineering Thermodynamics	4
BoK	Breadth of Knowledge Course Fine Arts (FA), Historical Perspectives (HP), Humanities (HU), or Social Sciences (SS)	3
	Technical Elective	3

SEMESTER 12 COOP

Course ID	Course Title	Cr Hr
COOP 4012	COOP for CEAS (Fifth Semester Experience)	0

SEMESTER 13 (FALL/SPRING)

Course ID	Course Title	Cr Hr
CHE 4061	Separation Processes	3
CHE 4062	Chemical Reaction Engineering	3
CHE 4071	Process Dynamics and Control	3
CHE 5082	Industrial Chemical Processes	3
PD 2050	Mid-Curricular Co-Op Community for Engineering	1

SEMESTER 14 (FALL)

Course ID	Course Title	Cr Hr
CHE 5037	Chemical Engineering Laboratory (or TECH Elective)	3
CHE 5045	Process Design I	4
	CHE Elective (or CHEM3030L Instrumental Analysis)	3-2
CHEM 3030	Instrumental Analysis	3
BoK: DEI	Breadth of Knowledge Course: Diversity, Equity, & Inclusion	3

SEMESTER 15 (SPRING)

Course ID	Course Title	Cr Hr
CHE 5001	Chemical Engineering Senior Seminar	1
CHE 5046	Process Design II	4
CHEM 3030L	Instrumental Analysis (or CHE Elective)	2-3
	TECH Elective (or CHE 5037 Chemical Engineering Laboratory)	3
	CHE Elective	3