



TRANSFER PATHWAY GUIDE 2023-2024

Associate in Science to Bachelor in Arts in Chemistry

Overview

Completion of the following curriculum will satisfy the requirements for an Associate in Science at the Kentucky Community and Technical College System and leads to a BA in Chemistry at the University of Kentucky.

Admission Requirements

Students must meet the University admission requirements in order to be admitted into any major within the College of Arts and Sciences.

KCTCS students planning to transfer to the University of Kentucky should work closely with a UK Transfer Advisor each semester to ensure that both KCTCS and UK degree requirements are met.

Degree Requirements

The College of Arts & Sciences requires that students complete foreign language courses above the university requirement. Students must either: 1) Obtain proficiency through the fourth level of one language or 2) Obtain proficiency through the third level of a language different from that taken in high school. The high school language must have been taken through the second level. All students are provided the opportunity to take a placement exam in any language to determine the appropriate class.

General Transfer Requirements

All prospective transfer students are encouraged to receive advising from the University of Kentucky Transfer Center. Appointments are offered online and in-person, and can be scheduled online at <https://www.uky.edu/admission/transfer-advising>.

Additionally, we recommend reviewing the transfer admission requirements (<https://www.uky.edu/admission/transfer-requirements>) and the Frequently Asked Questions (<https://www.uky.edu/admission/transfer/frequently-asked-questions>) on our website: <https://www.uky.edu/admission/transfer>.

For more information, please contact the UK Transfer Center by email at UKTransfer@uky.edu, by phone at 859-257-2000, or in-person in Room 100 of the Funkhouser Building on UK's campus.

KCTCS ASSOCIATE IN SCIENCE TO UNIVERSITY OF KENTUCKY BACHELOR OF ARTS IN CHEMISTRY CHECKLIST

Kentucky Community and Technical College System

Category 1: KCTCS General Education Core Requirements (33 hours)

| KCTCS Course | Course or Category | Credits | UK Course | Completed |
|--------------|--|-----------|-------------|-----------|
| ENG 101 | Writing I (WC) | 3 | ENG 101 | |
| ENG 102 | Writing II (WC) | 3 | ENG 102 | |
| TBS XXX | Oral Communication (OC) | 3 | TBD XXX | |
| TBS XXX | Heritage (AH) | 3 | TBD XXX | |
| TBS XXX | Humanities (AH) | 3 | TBD XXX | |
| TBS XXX | Social and Behavioral Science (SB) | 3 | TBD XXX | |
| TBS XXX | Social and Behavioral Science (SB) | 3 | TBD XXX | |
| CHE170+175 | General Chemistry I with Lab (NS) | 5 | CHE105/111 | |
| CHE180+185 | General Chemistry II with Lab (NS) | 5 | CHE 107/113 | |
| MAT174/175 | Calculus I (QR) | 5 | MA 113 | |
| STA251/296U | Statistical Methods and Motivations (QR) | 3 | STA 296 | |
| | Subtotal General Education Core Courses | 39 | | |

TBS XXX means to be selected by KCTCS student.

TBD XXX means to be determined by University of Kentucky based on course selected.

One of these courses must be selected from the KCTCS identified Cultural Studies course list, indicate by placing (CS) next to the course name in Category 1 or 2 table.

Category 2: KCTCS AS Requirements (6 hours)

| KCTCS Course | Course or Category | Credits | UK Course | Completed |
|--------------|---|----------|-------------|-----------|
| BIO 150/151 | Principles of Biology I & Lab | 5 | BIO 148/155 | |
| BIO 152 | Principles of Biology II | 3 | BIO 152 | |
| | Subtotal AA/AS Requirement Courses | 8 | | |

Category 3: KCTCS Electives (21 hours)

| KCTCS Course | Course or Category | Credits | UK Course | Completed |
|--------------|-------------------------------------|-----------|-------------|-----------|
| TBS XXX | Digital Literacy | 0-3 | TBD XXX | |
| TBS XXX | First-Year Experience | 3 | TBD XXX | |
| MAT 184/185 | Calculus II | 5 | MA 114 | |
| CHE 270/275 | Organic Chemistry I & Lab | 5 | CHE 230/231 | |
| CHE 280/285 | Organic Chemistry II & Lab | 5 | CHE 232/233 | |
| | | | | |
| | | | | |
| | Subtotal Elective Courses | 21 | | |
| | TOTAL Associate Degree Hours | 68 | | |

University of Kentucky

Major Requirements for Bachelor of Arts in Chemistry

| UK Course | Course | Credits | KCTCS Course | Taken at KCTCS |
|--|------------------------------------|---------|--------------|----------------|
| TBD XXX | A&S Race & Ethnicity | 3 | TBD XXX | |
| TBD XXX | A&S Foreign Language | 4 | TBD XXX | |
| TBD XXX | A&S Foreign Language | 4 | TBD XXX | |
| TBD XXX | A&S Foreign Language | 3 | TBD XXX | |
| TBD XXX | A&S Foreign Language | 3 | TBD XXX | |
| CHE 226 | Analytical Chemistry | 3 | | |
| CHE 440G | Intro Physical Chemistry | 3 | | |
| CHE 441 | Physical Chemistry Lab | 2 | | |
| TBD XXX | Chemistry (BA) Major Field Options | 21 | | |
| PHY 211 | General Physics | 5 | | |
| PHY 213 | General Physics | 5 | | |
| WRD 310 | Writing in the Natural Sciences | 3 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Subtotal UK Credit Hours | | | 59 | |
| Total Baccalaureate Degree Credit Hours | | | 125 | |

Sample Course Sequence: KCTCS Associate in Science to UK Bachelor of Arts Degree in Chemistry

| KCTCS Fall Semester 1 | |
|-----------------------|-----------|
| ENG 101 | 3 |
| CHE 170/175 | 5 |
| MAT 175 | 5 |
| First Year Experience | 3 |
| | |
| Total | 16 |

| KCTCS Spring Semester 1 | |
|-------------------------|-----------|
| ENG 102 | 3 |
| CHE 180/185 | 5 |
| MAT 185 | 5 |
| BIO 150/151 | 5 |
| | |
| Total | 18 |

| KCTCS Summer Semester 1 | |
|-------------------------|--|
| | |
| | |
| | |
| | |

| KCTCS Fall Semester 2 | |
|-----------------------|-----------|
| BIO 152 | 3 |
| CHE 270/275 | 5 |
| Oral Com. Course | 3 |
| Humanities Course | 3 |
| Digital Literacy | 3 |
| | |
| Total | 17 |

| KCTCS Spring Semester 2 | |
|-------------------------|-----------|
| Social & Behav. Sci. | 3 |
| CHE 280/285 | 5 |
| STA 296U | 3 |
| Social & Behav. Sci | 3 |
| Heritage Course | 3 |
| | |
| Total | 17 |

| KCTCS Summer Semester 2 | |
|-------------------------|--|
| | |
| | |
| | |
| | |

| UK Fall Semester 3 | |
|----------------------|-----------|
| A&S Race & Ethnicity | 3 |
| A&S F L | 4 |
| CHE 226 | 3 |
| PHY 211 | 5 |
| | |
| Total | 15 |

| UK Spring Semester 3 | |
|----------------------|-----------|
| A&S F L | 4 |
| PHY 213 | 5 |
| Major Field Options | 3 |
| Major Field Options | 3 |
| | |
| Total | 15 |

| UK Summer Semester 3 | |
|----------------------|--|
| | |
| | |
| | |
| | |

| UK Fall Semester 4 | |
|---------------------|-----------|
| A&S F L | 3 |
| CHE 440G | 3 |
| Major Field Options | 3 |
| Major Field Options | 3 |
| Major Field Options | 3 |
| | |
| Total | 15 |

| UK Spring Semester 4 | |
|----------------------|-----------|
| A&S F L | 3 |
| CHE 441 | 2 |
| WRD 310 | 3 |
| Major Field Options | 3 |
| Major Field Options | 3 |
| | |
| Total | 14 |

| UK Summer Semester 4 | |
|----------------------|--|
| | |
| | |
| | |
| | |