



CHEMISTRY, A.S. (Transfer Major)

COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS (Courses printed in dark text are required.)

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
ENGLISH & COMMUNICATION	ENG 1021: ENGLISH COMPOSITION I (REQUIRED) ENG 1022: ENGLISH COMPOSITION II (REQUIRED)	6
MATHEMATICS	MAT 2410: CALCULUS I (REQUIRED)	5
ARTS & HUMANITIES (SELECT ONE)	ART 1110: ART APPRECIATION HUM 1015: WORLD MYTHOLOGY MUS 1020: MUSIC APPRECIATION PHI 1012: ETHICS	3
HISTORY (SELECT ONE)	HIS 1220: U.S. HISTORY SINCE CIVIL WAR HIS 2200: HISTORY OF LATIN AMERICA HIS 2015: 20TH CENTURY WORLD HISTORY	3
SOCIAL & BEHAVIORAL SCIENCES (SELECT ONE)	ANT 1001: CULTURAL ANTHROPOLOGY ECO 2001: PRINCIPLES OF MACROECONOMICS ECO 2002: PRINCIPLES OF MICROECONOMICS PSY 1001: GENERAL PSYCHOLOGY I	3
NATURAL & PHYSICAL SCIENCES	CHE 1111: GENERAL COLLEGE CHEMISTRY I WITH LAB (REQUIRED) CHE 1112: GENERAL COLLEGE CHEMISTRY II WITH LAB (REQUIRED)	10
GENERAL EDUCATION CREDITS		30

ADDITIONAL REQUIRED COURSES FOR CHEMISTRY, A.S.

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
MATHEMATICS	MAT 2420: CALCULUS II (REQUIRED)	5
MATHEMATICS	MAT 2430: CALCULUS III (REQUIRED)	4
NATURAL & PHYSICAL SCIENCES	PHY 2111: PHYSICS: CALCULUS BASED I WITH LAB (FALL ONLY) (REQUIRED)	5
NATURAL & PHYSICAL SCIENCES	PHY 2112: PHYSICS: CALCULUS BASED II WITH LAB (SPRING ONLY) (REQUIRED)	5
NATURAL & PHYSICAL SCIENCES	CHE 2111: ORGANIC CHEMISTRY I WITH LAB (FALL ONLY) (REQUIRED)	5
NATURAL & PHYSICAL SCIENCES	CHE 2112: ORGANIC CHEMISTRY II WITH LAB (SPRING ONLY) (REQUIRED)	5
ADDITIONAL PROGRAM CREDITS		29

ELECTIVE COURSES

COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS	
PED 1043: YOGA I COM 2066: DECISION-MAKING (1-CR) COM 2068: PROBLEM-SOLVING (1 CR)	1	
TOTAL CREDIT HOURS		60

IMPORTANT: Please work with a Pathways Advisor in order to create a plan based on where you would like transfer. See the notes on the second page of this Academic Course Map.



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Recommended order of courses¹

(The department recommends taking the courses in this order to complete the degree.)

FOR COURSES THAT ARE NOT REQUIRED: If you cannot register for the course on this map or want to take one that is not listed, please talk to your pathway advisor.)

SEMESTER 1	CREDITS
ENG 1021: English Composition I (REQUIRED)	3
CHE 1111: General College Chemistry I with Lab (REQUIRED)	5
MAT 2410: Calculus I (REQUIRED)	5
ANT 1001: Cultural Anthropology OR ECO 2001: Principles of Macroeconomics OR ECO 2002: Principles of Microeconomics OR PSY 1001: General Psychology I	3
SEMESTER CREDITS	16
SEMESTER 2	CREDITS
CHE 1112: General College Chemistry II with Lab (REQUIRED)	5
MAT 2420: Calculus II (REQUIRED)	5
ENG 1022: English Composition II (REQUIRED)	3
PED 1043: Yoga I (or another 1-credit elective – see page 1)	1
SEMESTER CREDITS	14
SEMESTER 3	CREDITS
CHE 2111: Organic Chemistry I with Lab (REQUIRED)	5
PHY 2111: Physics: Calculus Based I with Lab (REQUIRED)	5
MAT 2430: Calculus III (REQUIRED)	4
SEMESTER CREDITS	14
SEMESTER 4	CREDITS
CHE 2112: Organic Chemistry II with Lab (REQUIRED)	5
PHY 2112: Physics: Calculus Based II with Lab (SPRING ONLY) (REQUIRED)	5
ART 1110: Art Appreciation OR HUM 1015: World Mythology OR MUS 1020: Music Appreciation OR PHI 1012: Ethics	3
HIS 1220: U.S. History Since Civil War OR HIS 2200: History of Latin America OR HIS 2015: 20th Century World History	3
SEMESTER CREDITS	16

¹ Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.

Note 1: This statewide transfer articulation agreement in Chemistry does not fulfill requirements for the gtPathways general education curriculum or the Associate of Science degree prior to transfer; however, this agreement does guarantee a student, if admitted, junior standing and completion of the baccalaureate degree within an additional 60 semester hours at the receiving institution.

Note 2: Completion of the receiving institution's lower division general education requirements is fulfilled only under the condition that one gtPathways-approved course in arts and humanities (AH1, AH2, AH3, or AH4) and one gtPathways-approved course in social and behavioral sciences (SS1, SS2, or SS3) are successfully completed at the receiving institution within the first 30 hours or 12 calendar months.

Note 3: Students transferring to a 4-yr college/university under this Chemistry agreement are encouraged to 'reverse' transfer the one gtPathways course in arts and humanities and the one gtPathways course in social and behavioral sciences (Note #2 above) back to their community college in order to complete the gtPathways general education program and to earn their Associate of Science degree with a Chemistry designation.

Note 4: Lecture and laboratory portions of organic chemistry, CHE 2111 and CHE 2112, must not be taken in an online delivery format.