| Name: | | e: Anticipated Graduation Semester: |
|-------------------------|--|--|
| | | Degree Snapshot |
| University Perspective | | |
| UNIV 10051 , Ur | niversity Perspectives or exemption | <u>General Chemistry</u> (8 hrs) |
| | | CHEM 12073/12071, Chemistry for Majors I OR CHEM |
| State Core English Cor | | 14103/14101, University Chemistry I |
| | omposition 1 or exemption | CHEM 12283/12281, Chemistry for Majors II OR CHEM |
| ENGL 10203, Co | omposition 2 or exemption | 14203/14201, University Chemistry II |
| | or Government (3 hrs) | Analytical Chemistry (4 hrs) |
| US HIST/PLSC _ | | CHEM 22673/22671, Analytical Chemistry |
| State Core Mathemat | | Physical Chemistry (4-10 hrs) |
| Requirement met with | - | CHEM 34603/34601, Elements of Physical Chemistry |
| State Core Natural Sci | iences w/ labs (0 hrs) | <u>Or:</u> |
| Requirement met with | n courses in major. | CHEM 35004, Physical Chemistry I AND |
| State Core Social Scier | <u>nces</u> (9 hrs) | CHEM 35204/35102, Physical Chemistry II |
| | | |
| Social Science _ | | Organic Chemistry (8-10 hrs) |
| Social Science _ | | CHEM 37073/37072, Organic Chemistry for Majors I OR CHEM |
| | | |
| State Core Fine Arts | 3 hrs) | 36053/36051, Organic Chemistry I |
| Fine Art | | CHEM 37203/37202, Organic Chemistry for Majors II OR CHEM 36203/36201, Organic Chemistry II |
| State Core Humanities | <u>s</u> (3 hrs) | |
| Humanities | | Biochemistry (6-7 hrs) |
| | | CHEM 38103, Elements of Biochemistry |
| Major World Languag | <u>e to 20103 level</u> (3-9 hrs) | CHEM 42203/42101, Instrumental Analysis |
| | 10103 (or fluency) | <u>Or:</u> |
| | 10203 (or fluency) | CHEM 38103, Elements of Biochemistry |
| Language | 20103 (or higher required) | CHEM 41203, Advanced Inorganic Chemistry OR CHEM 47203 |
| | | Experimental Methods in Organic Chemistry |
| Biology (11-16 hrs) | | <u>Or:</u> |
| BIOL | | CHEM 481H3, Honors Biochemistry OR CHEM 58103, |
| | | Biochemistry I |
| BIOL | | CHEM 484H3, Honors Biochemistry II OR CHEM 58403, |
| BIOL 30000+ | | Biochemistry II |
| Mathematics (3-11 hrs | s) | Biomechanical Techniques or Independent Research (3 hrs) |
| MATH 11003, C | College Algebra (or <u>math placement</u> directly in to | CHEM 48503, Biochemical Techniques (Spring only. Co- or pre |
| next math) | | |
| | recalculus or MATH 12003, Plane Trigonometry | req: CHEM 38103 or CHEM 484H3) |
| | if taking MATH 24004) | Or (honors CHEM 400HV can count here too): |
| | Calculus I OR MATH 22003, Survey of Calculus | CHEM 4000V 1 hour CHEM 4000V 1 hour |
| (Required) | | CHEM 4000V 1 hour |
| Physics (8 hrs) | 101 College Devries LOB DUVS 20204 | |
| | D101, College Physics I OR PHYS 20304, | <u>General Electives</u> (9-44 hrs) |
| University Phys | | |
| | 0201, College Physics II OR PHYS 20404, | |
| University Phys | sics II | |
| Last Updated: | June 21, 2024 | |

Advising Notes

Graduation Plan

Use the following additional resources, in addition to this major map, to complete your graduation plan (<u>Catalog</u>, and your <u>Degree Audit</u> in UAconnect). Many students have more than one major, minor, or pre-professional goal that has additional required classes. This tool allows you to combine all your educational goals in to one plan.

| High School credit | List all Advanced P | List all Advanced Placement, International Baccalaureate, Dual or Concurrent credit | | | |
|--------------------------|---------------------|---|--------|--|--|
| Year | Fall | Spring | Summer | Total | |
| Year 1 | | | | Total 1 st year credit hours (aim for 30): | |
| Year 2 | | | | Total 2 nd year credit hours (aim for 60): | |
| | | | | Total 3 rd year | |
| Year 3 | | | | credit hours (aim for 90): | |
| Year 4 | | | | Total 4 th year credit hours (Must be at least 120): | |
| | | | | | |

Graduation Checklist (does your plan include the following):

- 2.0 minimum overall UofA GPA (Courses taken at other colleges or universities are not factored into this GPA)
- All state minimum core requirements
- _ All Major(s)/Minor(s) requirements
- Writing requirement complete
- At least 50% of each major/minor taken from UofA
- 24 hours of 30000+ classes exclusively from Fulbright College of Arts and Sciences classes
- 30 hours of 30000+ classes exclusively from the University of Arkansas. This can include courses taken for the 24-hour rule.
- 40 hours of upper-level classes. (30000+ or 20000+ with a pre-requisite. Can include transfer credit.) This can include courses taken for the 24-hour and 30-hour rules.
- 120 total eligible credit hours (see below for a list of ineligible classes)

Please visit <u>https://catalog.uark.edu/undergraduatecatalog</u> for an extensive list of core, major, graduation, and prerequisite requirements. To read more about individual classes, visit the <u>courses of instruction</u> page for course descriptions.

Degree Requirement Breakdown by Category

The following information is designed to help you navigate your experience in your degree and answer common questions that may come up for each requirement.

| Category | Degree Requirements | Curriculum Notes |
|--------------------------|---|--|
| | | Or equivalent from another University of Arkansas college. (AFLS |
| PERSPECTIVES | • UNIV 10051, University Perspectives (or UNIV 100H1) | 102H3, ARSC 12001, GNEG 11101, GNEG 111H1, HIST 1003(H), |
| | | HIST 10001, HIST 100H1, PLSC 10003, PLSC 100H3, BUSI/WCOB |
| 0-1 hr | | 11101, WCOB/BUSI 111H1) |
| | | |
| | | Note: students who transfer to the University of Arkansas with at |
| | | least 24 credit hours will have this requirement waived. |
| STATE CORE | | See <u>Catalog</u> for information about placement and/or exemption. |
| COMPOSITION | ENGL 10103, Composition 1 or SAT/ACT exemption (or | |
| | ENGL 101H3) | |
| 0-6 hrs | ENGL 10203, Composition 2 or SAT/ACT exemption (or | |
| | ENGL 102H3) | |
| STATE CORE US | Choose 1: * | *Some courses may appear as options in multiple areas of the |
| HISTORY or GOVERNMENT | HIST 20003, History of the American People to 1877 | State Core. You can only count each course 1 time in the State Core |
| GOVERNMENT | HIST 20103, History of the American People 1877 to Present | and will need unique courses in each of the content areas below. |
| 3 hrs | PLSC 20003, American National Government (or PLSC | |
| | 200H3) | |
| STATE CORE | Met with requirements in major. | Based on ACT/SAT or other math placement scores, students may |
| MATHEMATICS | | need to enroll in additional remediation related courses. See |
| | | catalog or math placement website for additional information. |
| 0 hrs | | |
| STATE CORE | Met with requirements in major | |
| NATURAL | | |
| SCIENCES CORE | | |
| 9 hrs | | |
| STATE CORE | Choose 2: (each class will have a required lecture and lab | Some classes will have pre-requisites |
| SOCIAL SCIENCES | component): | |
| | ANTH 10143/ANTH 10141, Intro to Biological | |
| 9 hrs | Anthropology (or ANTH 101H3/101H1) | |
| | • ASTR 20003/20001, Survey of the Universe (or ASTR | |
| | 200H3/200H1) | |
| | BIOL 10004, Biological Principles | |
| | • BIOL 10103/10101, Principles of Biology (or BIOL | |
| | 154H3/154H1) | |
| | BIOL 10104, Biology for Majors | |
| | • BIOL 10303/10301, Plant Biology | |
| | BIOL 10503/10501, Principles of Zoology | |
| | BIOL 24003/24001, Human Anatomy | |
| | BIOL 24103/24101, Human Physiology | |
| | CHEM 10003/10001, Chemistry in the Modern World | |
| | CHEM 12103/12101, Fundamentals of Chemistry | |
| | CHEM 12003/12007, Fundamentals of circulated CHEM 12073/12071, Chemistry for Majors I | |
| | CHEM 12283/12281, Chemistry for Majors I CHEM 12283/12281, Chemistry for Majors II | |
| | | |
| | CHEM 14103/14101; University Chemistry I | |
| | CHEM 14203/14201, University Chemistry II (or CHEM 14202 (14201) | |
| | 142H3/142H1) | |

| | HEIWIISTRY (CHEIWIDA-DIOC) 2015-10 I | |
|-----------------|---|--|
| | ENSC 10003/10001, Environmental Science (or ENSC | |
| | 100H3/100H1) | |
| | ENTO 10203/10201, Insects, Science, and Society | |
| | • GEOL 11103/11101, Physical Geology (or GEOL | |
| | 111H3/111H1) | |
| | GEOL 11203/11201, Earth Science | |
| | • GEOS 11504, Introduction to Geology for Science Majors | |
| | • PHYS 10243/10241, Physics and Human Affairs (or PHYS | |
| | 102H3/102H1) | |
| | • PHYS 10304, Physics for Elementary Education Majors | |
| | PHYS 10404, Physics for Architects I | |
| | PHYS 10504, Physics for Architects II | |
| | PHYS 20103/20101, College Physics I | |
| | PHYS 20203/20201, College Physics II | |
| | PHYS 20304, University Physics I (or PHYS 203H4) | |
| | PHYS 20404, University Physics II (or PHYS 204H4) | |
| STATE CORE FINE | Choose 1: * | *Some courses may appear as options in multiple areas of the |
| ARTS | ARCH 10003, Architecture Lecture (or ARCH 100H3) | State Core. You can only count each course 1 time in the State |
| 3 hrs | • ARHS 10003, Art Lecture (or ARHS 100H3) | Core and will need unique courses in each of the content |
| 01110 | COMM 10003, Film Lecture (or COMM 100H3) | areas below. |
| | DANC 10003, Movement and Dance | |
| | ENGL 20103, Creative Writing 1 | |
| | • HUMN 211H4, Honors Birth of Modern Culture 1600- | |
| | 1900 (honors only) | |
| | LARC 10003, The American Landscape (or LARC 100H3) | |
| | MLIT 10003, Experiencing Music (or MLIT 100H3) | |
| | MLIT 10103, Music and Society (music majors only. Or | |
| | MLIT 101H3) | |
| | MLIT 13303, Popular Music | |
| | • THTR 10003, Theatre Appreciation (or THTR 100H3) | |
| | THTR 10103, Musical Theatre Appreciation (or THTR | |
| | 101H3) | |
| | THTR 16803, Acting I THTR 18803, Acting 1 for Theatre majors | |
| STATE CORE | Choose 1: * | *Some courses may appear as options in multiple areas of the |
| HUMANITIES | AAST 20203, The African American Experience | State Core. You can only count each course 1 time in the State |
| | ANTH 10303, Introduction to Archeology | Core and will need unique courses in each of the content |
| 3 hrs | ARCH 10103, Diversity and Design (or ARCH 101H3) | areas below. |
| | CLST 10003, Introduction to Classical Studies: Greece (or | |
| | CLST 100H3) | |
| | CLST 10103, Introduction to Classical Studies: Rome (or | |
| | CLST 101H3) | |
| | COMM 12303, Media, Community and Citizenship (or | |
| | COMM 123H3) | |
| | DANC 10003, Dance Appreciation | |
| | DASC 21303, Data Privacy & Ethics | |
| | ENGL 11103, World Literature: Beginnings to 1650 CE (or | |
| | ENGL 111H3) | |
| | ENGL 11103 ENGL 11203, World Literature: 1650 CE to Present (or | |
| | • ENGL 11205, Wohld Enerature. 1050 CE to Present (of ENGL 112H3) | |
| | ENGL 12103, Introduction to Literature (or ENGL 121H3) | |
| | ENGL 12103, Infoduction to England (or ENGL 12143) ENGL 20103, Creative Writing I | |
| | | |

| ыосі | TEIVITSTRT (CHEIVIDA-DIOC) 2015-10 1 | |
|-------------------|---|--|
| | GNST 20003, Introduction to Gender Studies (or GNST 200H3) HIST 11193, Institutions and Ideas of World Civilizations I (or HIST 111H3) HIST 11293, Institutions and Ideas of World Civilizations II (or HIST 112H3) HIST 20003, History of the American People to 1877 HIST 20103, History of the American People 1877 to Present HUMN 112H4, Honors Equilibrium of Cultures 500-1600 (Honors only) HUMN 22103, Introduction to World Religions LALS 20103, Introduction to Latin American and Latino Studies MRST 20103, Introduction to Medieval and Renaissance Studies MUSY 20003, Music in World Cultures (or MUSY 200H3) PHIL 20003, Introduction to Ethics PHIL 21003, Introduction to Ethics PHIL 21003, Human Nature and the Meaning of Life PHIL 31003, Ethics and the Professions THTR 10003, Theatre Appreciation (or THTR 100H3) THTR 10103, Musical Theatre Appreciation (or THTR 101H3) | |
| | PHIL 21003, Introduction to Ethics | |
| | | |
| | PHIL 31003, Ethics and the Professions | |
| | | |
| | | |
| | Any Intermediate level foreign language numbered at the | |
| | 20000 level | |
| MAJOR LANGUAGE | Get to the Intermediate I (20103) level or higher of a world | Language Options: See the <u>catalog</u> for complete list |
| REQUIREMENT | language: | Language Placement: See the WLLC website for a list of available |
| 2.0 hm | This may be completed by taking only the 20103 level, <u>if the</u> | placement exams for certain languages as well as information |
| 3-9 hrs | student has previous fluency, but is most commonly | about credit by exam for Spanish. |
| | completed by taking three classes (ARAB and CHIN both also | |
| | offer intensive formats for accelerated study): Elementary I (10103) | |
| | Elementary II (10203) | |
| | Intermediate I (20103) | |
| | Take four courses from BIOL, at least 3 hrs must be 30000+ | Many BIOL courses will require either BIOL 10103/10101 or BIOL |
| BIOLOGY | (hour per class may vary). | 10104 as a pre-requisite, so this should be 1 of the 4 courses. |
| 11-16 hrs | | Most BIOL courses will have additional pre-requisites, including |
| | | some CHEM classes. Check <u>course descriptions</u> to determine how |
| | | to plan pre-requisites. |
| MATHEMATICS | MATH 1103, College Algebra (or <u>math placement</u> directly in the next meth) | Students need to earn a C or higher in MATH classes to use them |
| 3-11 hrs | in to next math) MATH 13004, Precalculus or MATH 12003, Plane | as pre-requisites for other classes. |
| - | Trigonometry (only required if taking MATH 2554) | *MATH 24005, Calculus I with Review, may also count here. |
| | MATH 24004, Calculus I (pre-req: MATH 13004, 12003, or math placement)* OR MATH 22003, Survey of Calculus | Students should start on their math sequence as early as possible, |
| | (Pre-req: MATH 11003, 12003, 13004, or MATH 20503 or | since many of these classes will be pre-requisites for future CHEM |
| | math placement) | classes. |
| | | Choice here will impact which CHEM options will be available later. |
| | | |

| | | Based on ACT/SAT or other math placement scores, students may |
|------------|---|---|
| | | need to enroll in additional remediation related courses. See |
| | | catalog or math placement website for additional information. |
| PHYSICS | Choose 1 sequence: | These Physics II will be a pre-requisite to some future CHEM |
| 8 hrs | | courses. |
| 8 nrs | PHYS 20103/20101, College Physics I (Fall and summer | |
| | only. pre-req MATH 11003 and 12003 or MATH 13004 or | Choice here will impact which CHEM options will be available |
| | MATH 22003 or MATH 24004 or see <u>course description</u> for | later. |
| | math placement) | |
| | PHYS 20203/20201, College Physics II (Spring and summer only. pre-req: PHYS 20103 or 20304) | |
| | only. pre-req. Firts 20105 of 20504) | |
| | • OR | |
| | PHYS 20304, University Physics I (pre-req: MATH 24004) | |
| | PHYS 20404, University Physics II (pre-req: MATH 25004) | |
| GENERAL | Choose 1 sequence: | Students cannot receive degree credit for both CHEM 12073 and |
| CHEMISTRY | • CHEM 12073/12071, Chemistry for Majors I (Fall only. pre- | 14103 or CHEM 12283 and CHEM 14203. |
| | req: MATH 11003 or higher or see course description for | |
| 8 hrs | math placement) | |
| | CHEM 12283/12281, Chemistry for Majors II (Spring only. | If a student changes to this major after having taken CHEM 1113, |
| | Co- or pre-req: MATH 13004 or higher. Pre-req: CHEM | Chemistry for Engineers I and CHEM 1133/1131L, Chemistry for Engineers II, they can count those courses in this category, with |
| | 12073/12071 or CHEM 14103/14101) | substitution, if they also take CHEM 14101 or CHEM 14201. (CHEM |
| | | 1113, 1133, and 1131L are no longer taught, but the above policy |
| | • Or | applies to students who may have taken them previously) |
| | • CHEM 14103/14101, University Chemistry I (pre-req: MATH | |
| | 1103 or see <u>course description</u> for math placement) | |
| | • CHEM 14203/14201, University Chemistry II (pre-req: CHEM 14103 and MATH 11003 or see <u>course description</u> for | |
| | math placement) | |
| ANALYTICAL | CHEM 22673/22671, Analytical Chemistry (pre-req: CHEM | While not a required co-requisite in the course descriptions, |
| CHEMISTRY | 14203 or 12283 and MATH 11003 or see <u>course description</u> | chemistry majors should take the lecture and the lab in the same |
| 4 hrs | for math placement) | semester. |
| 1110 | | This class will be a pre-requisite to future physical chemistry |
| | | classes. |
| PHYSICAL | Choose 1 option: | Students cannot receive credit for both Elements of Physical |
| CHEMISTRY | CHEM 34603/34601, Elements of Physical Chemistry (Fall | Chemistry and Physical Chemistry I & 2. |
| 4-10 hrs | only. Pre-req: CHEM 22673 and PHYS 20203 or 20404 and | |
| | MATH 24004) | |
| | • Or | |
| | CHEM 35004, Physical Chemistry I (Fall only. Co- or pre- | |
| | req: MATH 2564c. Pre-req: CHEM 22673 and PHYS 20404) | |
| | CHEM 35204/35102, Physical Chemistry II (Spring only. | |
| | Pre-req: CHEM 35004) | |
| ORGANIC | Choose 1 sequence: | Honors students may also automatically count CHEM |
| CHEMISTRY | | 360H3/360H2 and CHEM 362H3/362H2. |
| 8-10 hrs | CHEM 37073/37072, Organic Chemistry for Majors I (Fall | |
| | only. Pre-req: CHEM 14203 or 12283) | |
| | CHEM 37203/37202, Organic Chemistry for Majors II (Graine actual Data regar (UEM 27072)) | |
| | (Spring only. Pre-req: CHEM 37073) | |
| | Or | |
| | Or: | |

| | • CHEM 36053/36051, Organic Chemistry I (Pre-req: CHEM 1123 or 1223) | |
|--|---|---|
| | CHEM 36203/36202, Organic Chemistry II(Pre-req: CHEM 3603 or 3703) | |
| BIOCHEMISTRY | Choose 1 sequence: | Students cannot receive credit for both Elements of Biochemistry and Honors Biochemistry I & II |
| 6-7 hrs | CHEM 38103, Elements of Biochemistry (Pre-req: CHEM 36203 or 37203) | |
| | CHEM 42203/42101, Instrumental Analysis (Pre-req: CHEM 22673 and CHEM 36203 or 37203) | |
| | Or: CHEM 38103, Elements of Biochemistry (Pre-req: CHEM 36203 or 37203) | |
| | CHEM 41203, Advanced Inorganic Chemistry (Fall only. Pre- req: CHEM 3453 or CHEM 3514) | |
| | Or: CHEM 38103, Elements of Biochemistry (Pre-req: CHEM 36203 or 37203) | |
| | CHEM 47203, Experimental Methods in Organic Chemistry (Fall only. Pre-req: CHEM 36203 or 37203) | |
| | Or: CHEM 481H3, Honors Biochemistry I (pre-req: honors | |
| | candidacy and CHEM 36203 or 37203) CHEM 484H3, Honors Biochemistry II (pre-req: honors candidacy and CHEM 481H3) | |
| | Or: CHEM 58103, Biochemistry I (Fall only. Pre-req: instructor | |
| | consent to enroll in grad class and CHEM 36203 or 37203) CHEM 58403, Biochemistry II (Pre-req: instructor consent to enroll in graduate class and CHEM 58103) | |
| BIOCHEMICAL THECHNIQUES OR INDEPENDENT RESEARCH | Choose 1: CHEM 48503, Biochemical Techniques (Spring only. Co- or pre-req: CHEM 38103 or CHEM 484H3) | Note : Students in the honors program completing CHEM 400HV for this requirement are also required to register for CHEM 401H1 in the spring of both Junior and Senior year. |
| 3 hrs | Or: | |
| | Completion of a senior thesis based on independent research wherein at least 1 hour of CHEM 4000V (or CHEM 400HV) is earned during three different semesters. | |
| <u>GENERAL</u> ELECTIVES | Hours will vary depending on math placement, language placement, choice within chemistry major, and whether a student is exempt from ENGL 10103 and 10203. | Some general electives may need to be upper level to meet college and university residency requirements. See Graduation Checklist on page 3 for more information. |
| 9-44 hrs WRITING | The college writing requirement may be satisfied in one of two | |
| REQUIREMENT | ways: Completion of CHEM 34601 or CHEM 35102 Successful honors thesis defense | |

| HONORS | Minimum Requirements for Honors: | Honors Thesis Timeline: Honors students should consistently |
|--------|---|--|
| | Maintain cumulative grade point average of 3.5 in all coursework. | check the <u>honors thesis timeline</u> to stay on track to complete your honors thesis. |
| | Complete a minimum of 12 hours of honors courses from the UofA (which includes CHEM 401H1 taken once in Junior year and once in Senior year) Complete and defend Honors Thesis | College Honors: Students who also are following the College Honors Plan need to complete additional requirements. Those can be found on the advising website (consult with an academic advisor if you have questions about your catalog year): <u>Academic Planning Resources</u> |
| | See <u>Catalog</u> for full description of requirements. | |