

The University of New Mexico Core Curriculum (37 units)

Writing and Speaking: (3-9 units)

Mathematics: (3 units)

Physical and Natural Sciences: (7 units)

Social and Behavioral Sciences: (6 units)

Humanities: (6 units)

Second Language: (non-English language; 3 units)

Fine Arts: (3 units)

Arts and Sciences College Minimum Requirements

· Total credit hours = 120

· 300/400 level credit hours = 48*

· Minimum credit hours taught in A&S = 96

***Students who complete a second language through the fourth semester are exempt from 6 of the 48 required upper division credit hours.**

University Residence Requirements

a. Minimum hours = 30

b. Senior standing = 15 past 92

c. In major = One half

d. In minor = One quarter

Minimum graduation GPA = 2.00

Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.25 cumulative grade point average for admission to the College of Arts and Sciences in SOC and a 2.00 for graduation. Minimums listed for the individual courses do NOT meet the cumulative minimum.

For more information visit catalog.unm.edu

Career Opportunities and Pathways

health care professions (medicine, dentistry, veterinary medicine, public health)

research in biomedicine

research in food science, pharmaceuticals, bioengineering

environmental toxicology

scientific patent law

Suggested Minors/2nd Majors/Upper Division Electives:

Suggested minors: none, usually

Connected with the career opportunities to the left...) Microbiology, A&P, Immunology

Microbiology, chemical engineering courses, Biol 203 and 204

Microbial or Soil Biochemistry

Pre-law courses

Important Notes

1. NONE of the Biochemistry courses can be taken until both semesters of Org Chem (301, 302) have been successfully completed.
2. BIOC 445 and 463 are ONLY offered in the Fall semesters.
3. BIOC 446, 448, 464 are only offered in the Spring semesters.
4. NONE of the upper level Biochem electives can be taken until successful completion of BIOC 446

| Course Subject and Title | Credit Hrs. | Major | Minor or 2nd Major | Core | Upper Div. | Min. Grade | Notes |
|--------------------------|-------------|-------|--------------------|------|------------|------------|-------|
|--------------------------|-------------|-------|--------------------|------|------------|------------|-------|

| Semester One: | | | | | | | |
|------------------------------|-----------|----------|----------|-----------|----------|----------|--|
| MATH 162 (MATH 180 3 cr hrs) | 4 | 4 | | 3 | | C | |
| CHEM 121/123L | 4 | 4 | | 4 | | C | |
| 1st English Composition | 3 | | | 3 | | C | |
| Freshman Academic Choice | 3 | | | | | D- | |
| *Core Second Language | 3 | | | 3 | | C | |
| | | | | | | | |
| | | | | | | | |
| Total | 17 | 8 | 0 | 13 | 0 | 0 | |

Advisement: How to use the Degree Audit (anytime after the 10th week)

| Semester Three: | | | | | | | |
|------------------------------------|-----------|-----------|----------|----------|----------|---|--|
| BIOL 202L | 4 | 4 | | | | C | |
| CHEM 301 | 3 | 3 | | | 3 | C | |
| CHEM 303L | 1 | 1 | | | 1 | C | |
| PHYC 151 (or 160) | 3 | 3 | | | | C | |
| PHYC 151L (or 160L) | 1 | 1 | | | | C | |
| *C&J 130; PHI 156; ENGL 219 or 220 | 3 | | | 3 | | C | |
| | | | | | | | |
| Total | 15 | 12 | 0 | 3 | 4 | | |

Transferred into the College of Arts & Sciences (once semester grades are in)

| Semester Five: | | | | | | | |
|-------------------------|-----------|----------|----------|----------|-----------|----|--|
| BIOC 445 | 4 | 4 | | | 4 | C | |
| CHEM 315 OR Chem 311** | 4 | 4 | | | 4 | C | |
| Core Requirement | 3 | | | 3 | | C | |
| Core Requirement | 3 | | | 3 | | C | |
| Upper Division Elective | 3 | | | | 3 | D- | |
| Total | 17 | 8 | 0 | 6 | 11 | | |

Visit Career Services

| Semester Seven: | | | | | | | |
|------------------------------|-----------|----------|----------|----------|-----------|----|--|
| BIOC upper division elective | 3 | 3 | | | 3 | C | |
| Upper Division Elective | 3 | | | | 3 | D- | |
| Upper Division Elective | 3 | | | | 3 | D- | |
| Upper Division Elective | 3 | | | | 3 | D- | |
| Upper Division Elective | 3 | | | | 3 | D- | |
| Total | 15 | 3 | 0 | 0 | 15 | | |

Advisement: Departmental Check-In / Senior Visit

| Course Subject and Title | Credit Hrs. | Major | Minor or 2nd Major | Core | Upper Div. | Min. Grade | Notes |
|--------------------------|-------------|-------|--------------------|------|------------|------------|-------|
|--------------------------|-------------|-------|--------------------|------|------------|------------|-------|

| Semester Two: | | | | | | | |
|-----------------------------|-----------|-----------|----------|----------|----------|----------|--|
| CHEM 122/124L | 4 | 4 | | 3 | | C | |
| BIOL 201L | 4 | 4 | | | | C | |
| MATH 163 (MATH 181 3 cr hr) | 4 | 4 | | | | C | |
| 2nd English Composition | 3 | | | 3 | | C | |
| | | | | | | | |
| | | | | | | | |
| Total | 15 | 12 | 0 | 6 | 0 | 0 | |

Advisement: Enhanced Degree Audit skills

| Semester Four: | | | | | | | |
|---------------------|-----------|-----------|----------|----------|----------|---|--|
| PHYC 152 (or 161) | 3 | 3 | | | | C | |
| PHYC 152L (or 161L) | 1 | 1 | | | | C | |
| CHEM 302 | 3 | 3 | | | 3 | C | |
| CHEM 304L | 1 | 1 | | | 1 | C | |
| CHEM 253L | 4 | 4 | | | | C | |
| Core Requirement | 3 | | | 3 | | C | |
| | | | | | | | |
| Total | 15 | 12 | 0 | 3 | 4 | | |

Advisement: Attend Departmental Orientation (within the 4th to 12th week)

| Semester Six: | | | | | | | |
|--------------------------------|-----------|----------|----------|----------|----------|----|--|
| BIOC 446 | 4 | 4 | | | 4 | C | |
| BIOC UD elective OR Chem 312** | 4 | 4 | | | 4 | C | |
| Core Requirement | 3 | | | 3 | | C | |
| Core Requirement | 3 | | | 3 | | C | |
| Upper Division Elective | 3 | | | | 3 | D- | |
| Total | 17 | 8 | 0 | 6 | 8 | | |

Complete Graduation Workshop & Apply for degree (after 4th week)

Advisement: Departmental Check-In

| Semester Eight: | | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|----|--|
| BIOC 448L | 3 | 3 | | | 3 | C | |
| BIOC upper division elective | 3 | 3 | | | 3 | C | |
| Elective any level | 3 | | | | | D- | |
| | | | | | | | |
| Total | 9 | 6 | 0 | 0 | 6 | | |

*Advisement: Senior Visit
Visit Graduation Fair*

Degree Total 120 69 0 37 48 201580

*Should take C&J130 or PHIL 156 if not taking foreign language course first semester **MATH 264 is a required corequisite for CHEM 311-312

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