



This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of guide require special attention.

| Course Subject and Title | Credit Hours | Min. Grade Required | Included in Major GPA | Important Notes POS = Program of Study |
|--------------------------|--------------|---------------------|-----------------------|---|
|--------------------------|--------------|---------------------|-----------------------|---|

Semester One: [15 Credit Hours]

| | | | | |
|-------------------------------------|---|----|---|---|
| RC 1000 | 3 | | | May take in fall or spring semester of first year |
| MAT 1110 | 4 | C- | X | Also meets Gen Ed Quantitative Literacy requirement; Minimum C- required as prerequisite to MAT 1120 |
| CHE 1101/1110 | 4 | | X | Also counts in Gen Ed Science Inquiry requirement; (PRE: MAT 1020 or equivalent test score) |
| Liberal Studies Experience Course 1 | 3 | | | HS or LS or FA or SS Designation |
| Gen Ed Wellness course | 1 | | | |

Semester Two: [16 Credit Hours]

| | | | | |
|------------------------|---|----|---|--|
| UCO 1200 | 3 | | | May take in fall or spring semester of first year |
| MAT 1120 | 4 | C- | X | |
| CHE 1102/1120 | 4 | | X | Also counts in Gen Ed Science Inquiry requirement; (PRE: MAT 1020 or equivalent test score) |
| BIO 1801 | 4 | | X | |
| Gen Ed Wellness course | 1 | | | |

Semester Three : [14 Credit Hours]

| | | | | |
|-----------------|---|--|---|---|
| RC 2001 | 3 | | | May take in fall or spring semester of sophomore year |
| MAT 2240 | 3 | | X | |
| MAT 2310 | 4 | | X | |
| CHE 2101 & 2102 | 4 | | X | |

Semester Four: [17 Credit Hours]

| | | | | |
|--|---|--|---|----------------------------------|
| MAT 2110 | 4 | | X | |
| MAT 3130 | 3 | | X | |
| STT 3850 | 4 | | X | |
| Liberal Studies Experience Course 2 | 3 | | | HS or LS or FA or SS Designation |
| Integrative Learning Experience Course 1 | 3 | | | |

Semester Five: [16 Credit Hours]

| | | | | |
|--|---|--|---|----------------------------------|
| MAT 3220 | 3 | | X | [WID] |
| MAT 3350 | 3 | | X | |
| BIO 1802 | 4 | | X | |
| Integrative Learning Experience Course 2 | 3 | | | HS or LS or FA or SS Designation |
| Liberal Studies Experience Course 3 | 3 | | | |



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|--------------------------|--------------|---------------------|-----------------------|---|
|--------------------------|--------------|---------------------|-----------------------|---|

Semester Six: [14 Credit Hours]

| | | | | |
|-------------------------------------|---|--|---|--|
| Life Sciences Electives Course 1 | 3 | | X | A total of 10 hours required in BIO, CHE, GHY (at least one must be lab class; at least one class at 3000 level or higher) |
| Life Sciences Electives Course 2 | 3 | | X | A total of 10 hours required in BIO, CHE, GHY (at least one must be lab class; at least one class at 3000 level or higher) |
| Major Elective in MAT or STT | 2 | | X | Elective required to total 70 hours in Major Requirements area on POS; |
| Liberal Studies Experience Course 4 | 3 | | | HS or LS or FA or SS Designation |
| Free Elective | 3 | | | |

Semester Seven: [15 Credit Hours]

| | | | | |
|---|---|--|---|---|
| Life Sciences Electives Course 3 | 3 | | X | A total of 10 hours required in BIO, CHE, GHY (at least one must be lab class; at least one class at 3000 level or higher) |
| Life Sciences Electives Course 4 OR Free Elective | 3 | | X | A total of 10 hours required in BIO, CHE, GHY (at least one must be lab class; at least one class at 3000 level or higher; If 10 hours already earned, take Free Elective |
| Free Elective | 3 | | | |
| Free Elective | 3 | | | |
| Free Elective | 3 | | | |

Semester Eight: [13 Credit Hours]

| | | | | |
|--|---|--|---|--|
| Capstone Course | 4 | | X | CAPSTONE ; Choose one 4-hour combination from Capstone Requirements area on POS |
| MAT 4420 | 3 | | X | |
| Integrative Learning Experience Course 3 | 3 | | | |
| Free Elective | 3 | | | *Take enough hours to reach the minimum 120 required for the degree |

| General Requirements Summary | | | | |
|------------------------------|---------------|---------------------|-----------|-------------|
| Minimum Total Hours | Gen Ed. Hours | Writing | Minimum | |
| | | | Major GPA | Overall GPA |
| 120 | 44 | RC 1000 and RC 2001 | 2.0 | 2.0 |

All MAT and STT courses and all courses in Major Requirements area on Program of Study count in major GPA.



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|--------------------------|--------------|---------------------|-----------------------|---|
|--------------------------|--------------|---------------------|-----------------------|---|

General Education Program Model - 44 Semester Hours Total

| Program Categories | Hours | Important Notes – <i>Be sure to check for Gen Ed courses required in your major</i> |
|---------------------------------|-------|---|
| First Year Seminar | 3 | Can be taken first or second semester of freshman year |
| Wellness Literacy | 2 | |
| Quantitative Literacy | 4 | |
| First Year Writing | 3 | Can be taken first or second semester of freshman year |
| Sophomore Writing | 3 | |
| Integrative Learning Experience | 9 | Must choose a minimum of two disciplines |
| Liberal Studies Experience | 12 | Must choose a minimum of three disciplines |
| Science Inquiry | 8 | |

You must also meet the Fine Arts, Literary Studies, Historical Studies, and the Social Science Designations. Those may be met within the Integrative Learning Experience and the Liberal Studies Experience.

Additional Notes:

- Residency Requirements:
 - 30 hours must be from ASU
 - 18 hours in the major must be from ASU
 - 9 hours in the minor must be from ASU