

This is an example semester-by semester plan of study for Applied Physics, BA (269A), designed to prepare students for graduate work. It should be modified during consultation with a department advisor.

Shaded areas of plan 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 |
| Liberal Studies Experience Course 1 | 3 | | | HS or LS or FA or SS Designation |
| PHY 1150 | 5 | C- | X | Also counts in Gen Ed Science Inquiry requirement |
| MAT 1110 | 4 | C- | X | Also meets Gen Ed Quantitative Literacy requirement (<i>PRE: MAT 1025 or equivalent test score</i>) |

Semester Two: [15 Credit Hours]

| | | | | |
|--|---|----|---|--|
| UCO 1200 | 3 | | | May take in fall or spring semester of first year |
| PHY 1151 | 5 | C- | X | Also counts in Gen Ed Science Inquiry requirement |
| MAT 1120 | 4 | C- | X | |
| Integrative Learning Experience Course 1 | 3 | | | |

Semester Three : [15 Credit Hours]

| | | | | |
|--------------------------|---|---|---|--|
| RC 2001 | 3 | | | May take in fall or spring semester of sophomore year |
| Foreign Language 1010 | 3 | | | If test out of this level, take appropriate level (FL 1030 may be option for some languages) |
| PHY 2010 | 4 | C | X | Min. grade C required for some upper level PHY courses |
| MAT 2130 | 4 | | X | |
| Gen Ed Wellness Literacy | 1 | | | |

Semester Four: [16 Credit Hours]

| | | | | |
|--------------------------------|---|---|---|---|
| Foreign Language 1020 | 3 | | | If test out of this level, take appropriate level or Free Elective if language is complete |
| PHY 2020 | 4 | C | X | Min. grade C required for some upper level PHY courses |
| PHY 2210 | 3 | | X | [WID] |
| PHY Elective Course (PHY 3001) | 3 | C | X | This is a required prerequisite for later required courses. This course counts as a part of the 5-7 hours PHY elective required in Physics Core Requirements area on POS. (7 hours required if you took PHY 1103 & 1104 as intro PHY courses.) |
| MAT 3130 | 3 | | X | |

Semester Five: [15 Credit Hours]

| | | | | |
|-------------------------------------|---|--|---|---|
| Foreign Language 1040 | 3 | | | If test out of this level, take appropriate level or Free Elective if language is complete (FL 1060 may be an option for some lang) |
| PHY 3010 | 3 | | X | |
| PHY Elective Course (PHY 3210) | 3 | | X | Physics Core Requirements area on POS; Required course: PHY 3210 for prerequisite for PHY 4210; A total of 5 hours required for students who took PHY 1150/1151 sequence; A total of 7 hours required for students who took PHY 1103/1104 sequence |
| Minor Course 1 | 3 | | | |
| Liberal Studies Experience Course 2 | 3 | | | HS or LS or FA or SS Designation |

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Semester Six: [15 Credit Hours]

| | | | | |
|--|---|--|---|---|
| Foreign Language 1050 | 3 | | | Counts as Liberal Studies Experience Course 3 ; if language complete, take Free Elective |
| PHY 3020 | 3 | | X | |
| Minor Course 2 | 3 | | | |
| Minor Course 3 | 3 | | | |
| Integrative Learning Experience Course 2 | 3 | | | HS or LS or FA or SS Designation |

Semester Seven: [15 Credit Hours]

| | | | | |
|-------------------------------------|---|--|---|---|
| CHE 1101 & 1110 | 4 | | X | <i>(PRE: MAT 1020 or equivalent test score)</i> |
| Minor Course 4 | 3 | | | |
| Minor Course 5 | 4 | | | |
| Liberal Studies Experience Course 4 | 3 | | | HS or LS or FA or SS Designation |
| Gen Ed Wellness Literacy | 1 | | | |

Semester Eight: [14 Credit Hours]

| | | | | |
|---|------|--|---|---|
| PHY 4210 | 4 | | X | CAPSTONE |
| PHY Elective Course or Free Elective | 2-4* | | X | Physics Core Requirements area on POS; *A total of 7 hours required for students who took PHY 1103/1104 sequence; Those who took PHY 1150/1151 sequence should have this area already met and should take Free Elective. |
| CHE 1102 & 1120 | 4 | | X | <i>(PRE: MAT 1020 or equivalent test score)</i> |
| Integrative Learning Experience Course 3 | 3 | | | |
| Free Elective (or additional minor course, if needed) | 0-1 | | | Take enough Free Electives 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 PHY & AST courses and all courses in Major Requirements area on Program of Study count in major GPA.

*Some minors require a 2.0 GPA. See Programs of Study for information.

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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:

- No more than 46 hours in PHY may be counted towards the degree.
- Minor outside Physics required for this degree.
- Foreign language requirement:
 - Student must take the Foreign Language Placement Test to determine starting course for the foreign language sequence.
 - If Foreign Language 1010 & 1020 taken for prerequisite purposes, they will count in place of 6 hours of Free Electives (3 hours per course).
 - FL 1030 may substitute for FL 1010 & 1020 for some languages; FL 1060 may substitute for FL 1040 & 1050 for some languages.
 - Foreign language classes can be taken in summer semesters.
- Residency Requirements:
 - 30 hours overall must be from ASU
 - 18 hours in the major must be from ASU
 - 9 hours in the minor must be from ASU