



COLLEGE OF ARTS & SCIENCES
OKLAHOMA STATE UNIVERSITY

Requirements for Students **Matriculating in or before Academic Year 2015-2016**

BACHELOR of SCIENCE

MAJOR: Physics OPTION: Applied Physics

Minimum Overall Grade Point Average: 2.00 Total Hours: 120

(cumulative graduation/retention GPA)

Other GPA requirements, see below.

| GENERAL EDUCATION REQUIREMENTS: 42 HOURS | | | MAJOR REQUIREMENTS: 51 HOURS | | |
|--|--------------|--|--|--|--|
| Area | Hours | To be selected from: | A minimum grade of "C" in each major course. Minimum <u>2.0</u> GPA in all PHYS courses. | | |
| English Composition & Oral Communication | 6 | ENGL 1113 or 1313; & 1213 or 1413 or 3323 (See Academic Regulation 3.5 in Catalog) | <u>Core Requirements:</u> <u>34</u> hours | | |
| American History & Government | 6 | HIST 1103 and POLS 1113 | PHYS 2114 | | |
| Analytical & Quantitative Thought (A) | 7 | MATH 2144 and 2153 | 3013 | | |
| Humanities (H) | 6 | Courses designated (H) | 3113 | | |
| Natural Sciences (N) | 8 | BIOL 1114 and CHEM 1314 | 3213 | | |
| Social & Behavioral Sciences (S) | 6 | Courses designated (S) | 3323 | | |
| Diversity (D) | -- | Course designated (D) (see note 1.b.) | 3513 | | |
| International Dimension (I) | -- | Course designated (I) (see note 1.b.) | 3623 | | |
| Scientific Investigation (L) | -- | Course designated (L) (see note 1.b.) | 3713 | | |
| Controlled Electives | 3 | Any course with a Gen Ed designation in any of the above areas | 4113 | | |
| COLLEGE/DEPARTMENTAL REQUIREMENTS: 13 HOURS | | | MATH 2163 | | |
| Orientation | 1 | A&S 1111 (transfer students with 15 hours exempt) | 2233 | | |
| Arts and Humanities | 3 | _____ (see note 2.a.) | <u>Additional Requirements:</u> <u>17</u> hours | | |
| Natural & Mathematical Sciences | 9 | CHEM 1515 and PHYS 2014 | 9 upper-division hours in any one academic department.* | | |
| Foreign Language Proficiency | -- | _____ (see note 3.) | 8 upper-division hours in related fields.* | | |
| Upper-Division General Education 6 hours outside major department | -- | _____ (see note 2.c.) | * With approval from the adviser and department head, a maximum of 30 hours from an accredited doctoral health program may be used for these 17 hours and 13 hours of electives. | | |
| <u>Other Requirements:</u> See notes 1, 2 & 3 on back of degree sheet | | | ELECTIVES: 14 HOURS | | |
| <u>Upper-Division Credit:</u> Total hours must include at least <u>40 hours</u> in courses numbered 3000 or above. | | | May need to include 10 hours of a foreign language. See note 3. | | |
| <u>Hours in One Department:</u> Hours in one department in excess of 54 will be added to the minimum total of 120 required for graduation. | | | May need to include 6 hours upper-division general education outside major department. See note 2.c. | | |
| <u>Additional State/OSU Requirements:</u> – At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU. Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours. Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation. Degrees that follow this plan must be completed by the end of Summer 2021. | | | Suggested courses: PHYS 1001; CS 1113, 2433; ASTR 1013, 1023; MATH 3013, 4143, 4153, 4233, 4263, 4283 | | |

Signature on file in the Office of the Registrar

Signature on file in the Office of the Registrar

DEAN

DEPARTMENT HEAD

College of Arts and Sciences

1. GENERAL EDUCATION REQUIREMENTS

- a. No more than two courses (or eight hours) from the major department may be used to meet General Education and College and Departmental Requirements. The General Education Controlled Elective, required English Composition, required U.S. History, required American Government, one required MATH course, and required foreign language for B.A. degrees do not count against the two-course maximum.
- b. The Diversity, International Dimension, and Scientific Investigation requirements may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).

2. A&S COLLEGE/DEPARTMENTAL REQUIREMENTS

- a. Arts and Humanities are defined as any course carrying an (H) designation or courses from AMST, ART, ENGL (except 3323) HIST, MUSI, PHIL(except 1313 and 3003), REL, TH, and foreign languages (second year and above). No more than six hours may be music or theatre performance or art studio.
- b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOC, BIOL, BOT, CHEM, CS (except 4883), GEOL, MATH, MICR, PHYS, STAT and ZOO; or courses from other departments that carry an (A) or (N) general education designation.
- c. The required six hours of upper-division General Education may not include courses from the student's major department. This requirement may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- d. Non-Western Studies Requirement for B.A. and B.F.A. (see 1.b. above). One 3-hour course in Non-Western Studies from: AMIS 2013, 4013; ANTH 3443, 4223; ART 3693, 3733, 4603, 4653, 4663, 4673, 4683, 4703, 4713, 4763; CHIN 1225; ENGL 2693, 3173, 3183, 3190 (African Novel), 4330; FLL 1000 (Arabic 2 & Mvskoke2); GEOG 3053, 3733, 3753, 3763, 3783; HIST 1713, 3003, 3013, 3043, 3053, 3153, 3163, 3203, 3403, 3413, 3423, 3433, 3503, 3513, 3543, 3553, 3793; HONR 3033; JAPN 1225, 2015, 2225; MUSI 3583; PHIL 3943, 4943, 4953; POLS 3003, 3053, 3123, 3163, 3223, 3313; REL 3573, 4050 (Understanding Islam), 4113; RUSS 1225, 3003, 3053, 3123, 4013, 4023, 4113, 4123, 4133; SOC 4533, 4653. This requirement may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- e. The College of Arts & Sciences requires a minimum 2.0 GPA in all major requirements and a minimum 2.0 GPA in all major-prefix courses.

3. FOREIGN LANGUAGE PROFICIENCY

- a. The foreign language requirement for the B.A. may be satisfied by 10 hours college credit in the same language, or equivalent proficiency (e.g., passing an advanced standing examination; completing a second-year or higher college-level course in the language, etc.).
- b. The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second year level of study). It may also be satisfied by any of the options listed above for the B.A. utilizing elective hours.
- c. In addition to a. and b., **students pursuing secondary education teacher certification** must meet novice-high foreign language proficiency by presenting a high school transcript which demonstrates two years of study of a single foreign language with no grade below B. Or, students may complete 5 hours college credit in the same language with no grade below C (or pass an advanced standing examination equivalent to 5 hours of college credit.)

4. EXCLUSIONS

- a. Courses used to satisfy the English Composition, American History and Government requirement will not count toward the 54 hour maximum allowed from one department.
- b. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.

5. TEACHER CERTIFICATION

Students can satisfy the requirements for secondary schools teaching certification while earning a B.A. or B.S. in the College of Arts & Sciences. Those interested should see their Arts and Sciences adviser and the OSU Professional Education Unit in room 325 Willard.