

College of Arts & Sciences Science & Quantitative Science (Sci-Q) Fee

1. Overview – Sci-Q Fee

The A&S Sci-Q Program Fee will apply to all 1000 level to 4000- level courses in the following National Science Foundation STEM Field departments (course prefixes):

- Anthropology (ANTH)
- Botany (BOT)
- Chemistry (CHEM)
- Geography (GEOG)
- Geology & Geophysics (GEOL)
- Life Science (LIFE)
- Mathematics (MATH)
- Physics & Astronomy (PHYS, ASTR)
- Psychology (PSYC)
- Statistics (STAT)
- Zoology & Physiology (ZOO)

This group of Sci-Q academic units provide the foundational training for all UW undergraduates in the basic natural and physical sciences, and in the quantitative sciences. As such, they provide the foundational education for all students in a STEM major, including those interested in careers in STEM area education, and have a direct major impact on UW students in the Colleges of Engineering & Applied Science, Agriculture & Natural Resources, Health Sciences, and or course, the hundreds of undergraduate majors in the Sci-Q departments.

2. Comparison to fees at Peer Universities

3. Instructional and Experiential Costs Associated with Delivering High Quality A&S Sci-Q

4. Credit hours in A&S Sci-Q departments

ANTH	4,332
BOT	1,132
CHEM	10,004
GEOG	3,543
GEOL	5,030
LIFE	8,010
MATH	17,932
PHYS	6,252

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PSYC	8,796
STAT	5,379
ZOO	5,399

5. Proposed Course Fee for Arts & Science Sci-Q Courses at UW

The A&S Sci-Q Fee would apply to all student credit hours attached to all of the 1000-level to 4000-level classes taught by the Sci-Q programs at all locations (Main Campus, UW-Casper, UW Outreach). The Sci-Q Fee will be structured with three tiers, with Tier 1 status being assigned to the lowest cost of course deliver, Tier-2 status to midlevel cost of course delivery, and Tier-3 reserved for courses with high cost of course delivery. After extensive cost analysis and modeling using actual enrollment data, the Tier levels proposed for the Sci-Q Fee are:

Tier 1 - \$10,00 per student credit hour

Tier 2 - \$25.00 per student credit hour

Tier 3 - \$55.00 per student credit hour

Using official enrollment data for Academic 2015-16 for the 11 Sci-Q dpearments, with appropriately assigned tier levels for each of the courses, the Sci-Q Fee would have generate \$1,818,470 of revenue. Below, this is broken down by individual Sci-Q departments.

ANTH	\$89,490
BOT	\$36,895
CHEM	\$495,995
GEOG	\$61,815
GEOL	\$128,825
LIFE	\$326,490
MATH	\$179,320
PHYS	\$230,560
PSYC	\$110,790
STAT	\$53,790
ZOO	\$104,500
Total--->	\$1,818,470

6. Promise to Students

7. Measures of Success and Accountability

- Higher pass-rates (C, B, A letter grades earned) for all A&S courses, and conversely lower D, F letter grades earned and lower course withdrawal rates.

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- Higher fall semester to spring semester retention rates for A&S and UW Freshmen and first year transfer students.
- Higher Freshmen to graduating Senior retention rates for A&S majors.
- Decrease in the time to graduation for all A&S majors.
- Increase graduation rates for all A&S majors
- Improved placement-rates after graduation for all A&S majors – our students will be more “market”-ready and in higher demand (market-ready defined as the student’s professional goal after graduation, e.g., join workforce, graduate school, professional school, professionally related volunteer outlet).