



Clare Boothe Luce Program

2019 Information Form Ratings Criteria

Selection Committee members review each form submitted based on the five criteria listed below. If your institution is severely deficient on one or more of the criteria listed, please wait until you are more competitive to submit the Information Form.

It is important not only that the information provided reflects strength in the grant area desired (undergraduate, graduate, or professor), but also that if your percentages of women faculty are currently below the national average, your institution share its plan for improving your percentages of women faculty.

1) Female Students Statistics

- a. Enrollment and degrees are at or above national average (physical sciences and math, 35-40%; computer science and engineering, 18-20%)
- b. Enrollment and degrees granted have been stable or increasing over the ten year window
- c. Differences between enrollment and degrees earned are similar for females and males

2) Female Faculty Statistics

- a. Hiring over last 10 years has been near the Ph.D. production level (physical sciences and math, 25-35%; computer science 20%; engineering 20-23%)
- b. Similar percentages of females and males remain at the university
- c. Similar percentages of females and males have received tenure and promotion

3) Strength of Science/Engineering

- a. Institutional actions that show a commitment to the strength of these disciplines
- b. External awards or recognition in these disciplines in the last five years
- c. Other evidence (proportion of student majors and proportion of faculty; new or renovated facilities; etc.)

4) Evidence of Institutional Commitment to the Goals of the CBL Program

- a. Checked boxes on form show evidence of commitment
- b. Programs, policies and/or practices specifically aimed at ensuring the equitable recruitment, retention and career development of female students and faculty
- c. Programs match the category of request (undergrad/grad/professorship)

5) Impact

- a. Size (number of students and % of women majoring and earning degrees in the physical sciences, mathematics, computer science and/or engineering),
- b. Programs for training students in research and the use of instrumentation
- c. Collaborations that strengthen the impact of smaller institutions
- d. The proportion of students who pursue advanced degrees in science/engineering or achieve recognition in a scientific or technical career.

Statistics above are based on data from the National Science Foundation – please see data tables below

Earned Degrees Conferred, by Broad Field, Level and Sex 2014

Field	Bachelor's Degrees	Doctoral Degrees
Biological Sciences	61,206	4,825
Females	58.5%	53.7%
Mathematical Sciences	9,013	535
Females	43.0%	28.5%
Physics & Astronomy	1,349	450
Females	20.2%	20.0%
Chemistry	6,935	1,020
Females	48.0%	38.2%
Geology/Atmospheric/Ocean	2,584	408
Females	38.5%	41.3%
Computer Sciences	9,974	407
Females	18.0%	19.6%
Engineering	18,259	2,179
Females	19.8%	22.8%

Source: National Science Foundation, National Center for Science & Engineering Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2004-14.

Note: Data based on degree-granting institutions eligible to participate in Title IV federal financial aid programs and do not match previously published data that were based on accredited higher education institutions.

**DOCTORAL SCIENTISTS AND ENGINEERS EMPLOYED
IN FOUR-YEAR COLLEGES AND UNIVERSITIES
BY FIELD OF DOCTORATE, ACADEMIC RANK AND SEX, 2013**

Field of Doctorate	Total	Assistant Professors	Associate Professors	Full Professors
Biological/Life Sciences	72,800	13,900	13,100	19,700
% Women	37.6	46.0	31.3	23.4
Mathematics and Statistics	18,400	3,900	4,500	6,800
% Women	26.6	38.5	22.2	16.2
Physical Sciences	39,300	7,200	7,900	13,200
% Women	23.9	31.9	25.3	15.2
Computer & Info. Sciences	10,300	1,900	2,600	3,200
% Women	16.5	21.0	19.2	12.5
Engineering	27,700	5,700	5,800	10,600
% Women	15.5	22.8	19.0	7.5

Source: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2013. Note: "Total" includes "Other" and "Rank not applicable" faculty (e.g. adjuncts).