ACADEMIC ANALYTICS

COMPUTER ENGINEERING
NCES CIP Code 14.0901

DISCIPLINE FastFacts
from Academic Analytics

1.8% of all articles published in the discipline

In the last four years of publishing data in the **Academic Analytics** database, of the hundreds of journal titles in which Computer Engineers publish, the journal *Applied Physics Letters* occupies the top spot.

Collaborative research between faculty in Computer Engineering accounts for **14.4%** of all co-authored Computer Engineering journal publications.

14.4%

160 Disciplines

Computer Engineering scholars conduct extensive collaborative research with faculty in over **160** separate disciplines.

In all, collaborative research inside and outside the discipline accounts for **97.6%** of the Computer Engineering journal articles captured in the **Academic Analytics** database (2015-2018 inclusive).

97.6%

Collaboration with other disciplines most often involves researchers in Electrical Engineering and Computer Science where it results in **15.2%** and **7.6%** of all co-authored journal publications in **COMPUTER ENGINEERING**. Do you know who are the top potential collaborators in these fields that best complement your research and where they are located?

Data from the **Academic Analytics** database indicate that

46%

of **COMPUTER ENGINEERING** faculty currently receive federal funding.

77.9%

8%

7.2%

The **National Science Foundation** dominates federal funding for Computer Engineering, providing **77.9%** of all captured funding for the discipline.

The **National Institutes of Health** and the **Office of Naval Research** follow with **8%** and **7.2%** of captured funding respectively

Since **Academic Analytics** uses the individual researcher as the unit of record, we can look across all faculty in a discipline to view their current rank and the years since their most advanced degree.

FULL professor	ASSOCIATE professor	ASSISTANT professor
29.8 YEARS	19.3 YEARS	8.4 YEARS

Average academic ages (years since their most advanced degree) of Computer Engineers nationally

Percent of faculty ranks within the national discipline

FULL professor	ASSOCIATE professor	ASSISTANT professor
52.2%	25.7%	22.1%

How does the distribution of faculty in your department compare to the national averages, and what are the implications for planning?

Research Insight from Academic Analytics can help answer that.

There are

5,004

individuals in the **Academic Analytics** database who are affiliated with Computer Engineering departments.

Of the faculty population for whom we can infer gender

MALE	FEMALE
83.6%	16.4%

According to the data captured in the **Academic Analytics** database, **53.1%** of Computer Engineering faculty have received a national honorific award. The Institute for Electrical and Electronics Engineers (IEEE) provides the most honorific awards for the discipline, accounting for **32%** of awards in the database. Of the faculty population for whom we have been able to identify gender, the distribution of awards granted by the Institute for Electrical and Electronics Engineers is **90.4%** of awards going to male scholars and **9.6%** going to female scholars.