

U^{OF}L J.B. SPEED SCHOOL
OF ENGINEERING



**ENGINEERING
RESEARCH**

US News World Report Ranking Trends

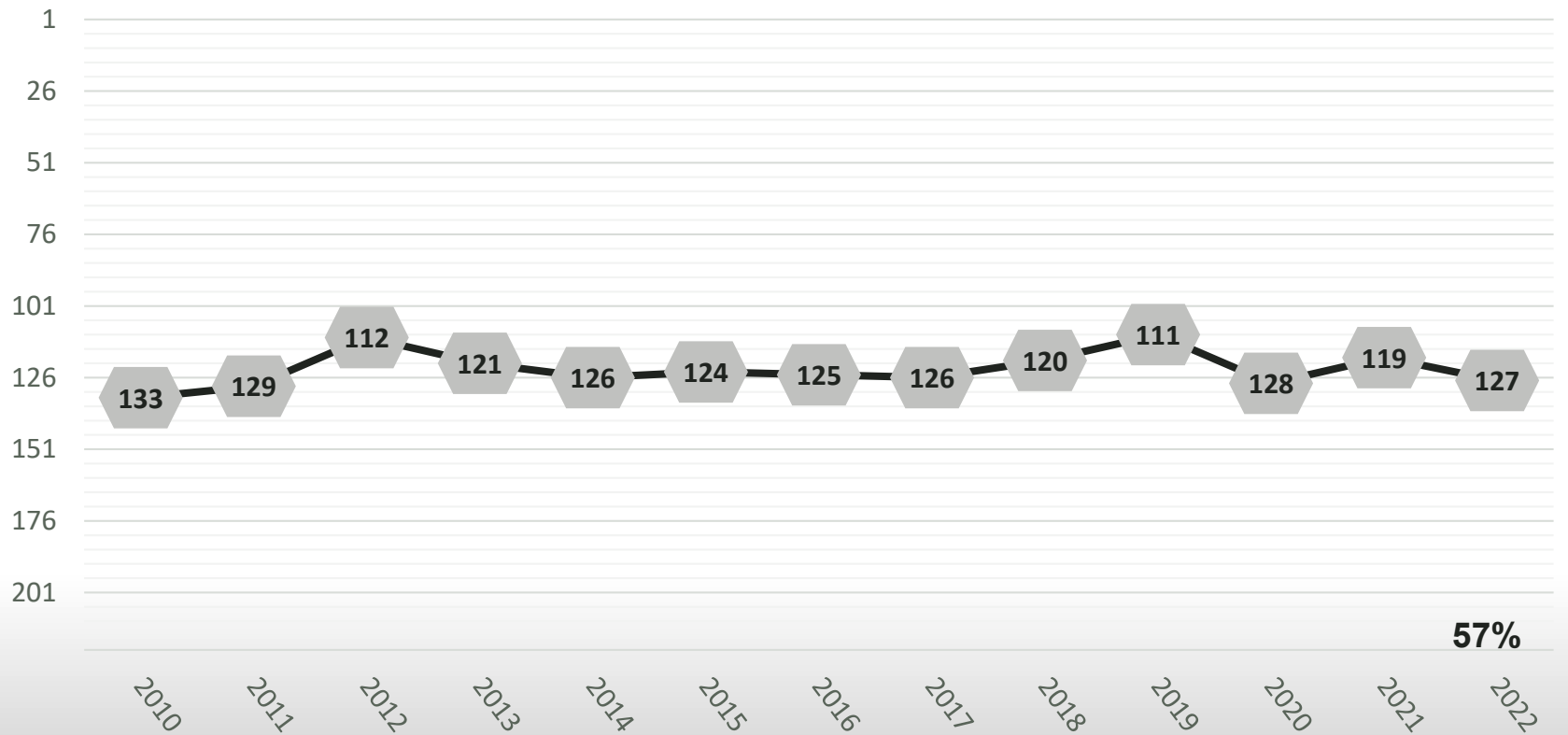
How charts are organized

- US News World Report ranking years uses data from two years previous (2022 rank is based on FY20 data.)
- US News World Report only posts current rankings and the current number of schools/programs ranked
- The number of schools ranked in in each program typically changes slightly each year
- At times they will change their methodology which could lead to a significant change in the number of programs included and/or the ranks of programs (for example CIT Online program from 2021 to 2022)
- The % listed on each chart is the relative rank of our program for the year. As this is our first year posting these ranks, we only have the relative rank for this year. Future reports will include subsequent years' relative ranks.

Weights used in ranking

- Peer Assessment (25%)
 - Engineering deans and deans of graduate studies at engineering schools
- Recruiters (15%)
 - Corporate recruiters, employers and company contacts
- Faculty Resources (25%)
 - Doctoral Degrees Awarded (6.25%)
 - Ratio of full-time doctoral students to TTTF (7.5%)
 - Ratio of full-time master's students to TTTF (3.75%)
 - % of faculty in the National Academy of Engineering (7.5%)
- Research Activity (25%)
 - Total research expenditures (15%)
 - Average research expenditures per faculty member –(10%)
- Student Selectivity (10%)
 - Mean GRE quantitative score (6.75%)
 - If the % of students who reported their GRE goes below 50%, this score is reduced proportionately
 - Acceptance rate (3.25%)

Graduate Engineering Programs



221 Programs ranked for 2022

Specialty Programs Rank Methodology

Popularity Contest the Graduate Program Edition

Engineering specialty rankings, such as chemical engineering and civil engineering, are based solely on peer assessments by department heads in each specialty area. U.S. News conducted peer assessment surveys in fall 2020 and early 2021 for 13 engineering specialty rankings.

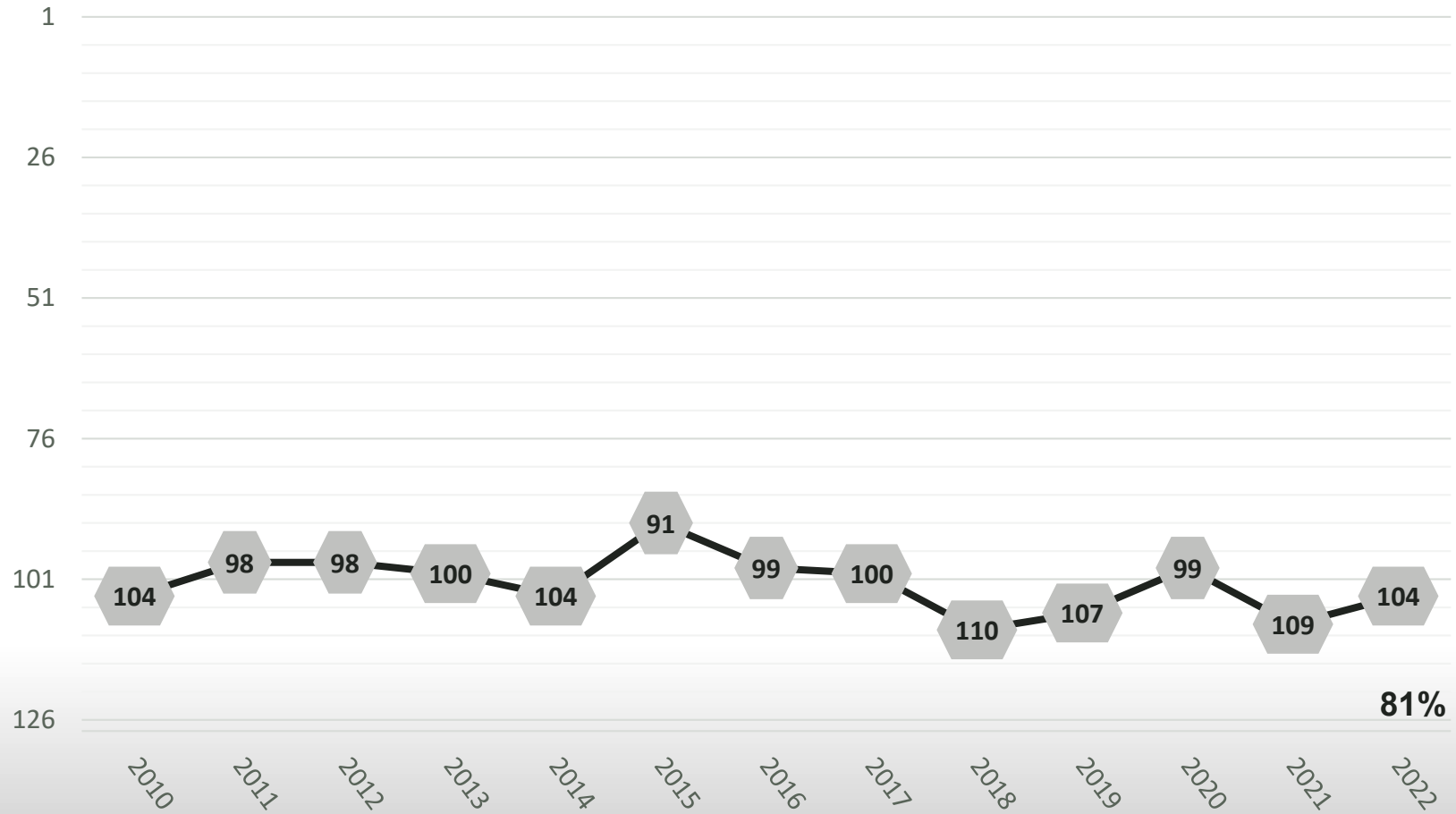
Specialty department heads rated the other schools that offered a doctoral degree in their specialty on a 5-point scale from marginal to outstanding. Schools with the highest average scores appear in the rankings.

Bioengineering



64%

Chemical Engineering



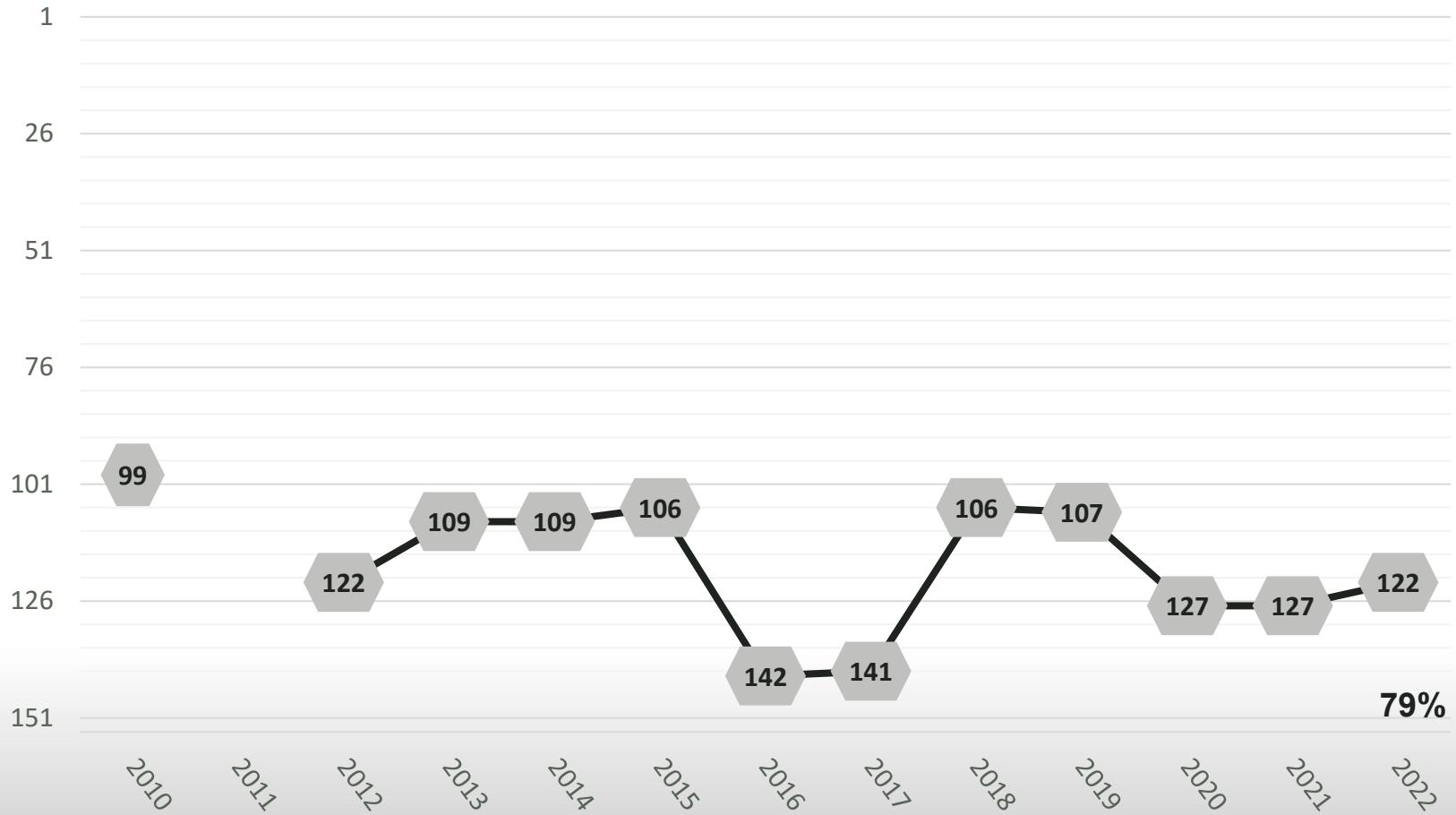
128 Programs ranked for 2022

Civil and Environmental Engineering



154 Programs ranked for 2022

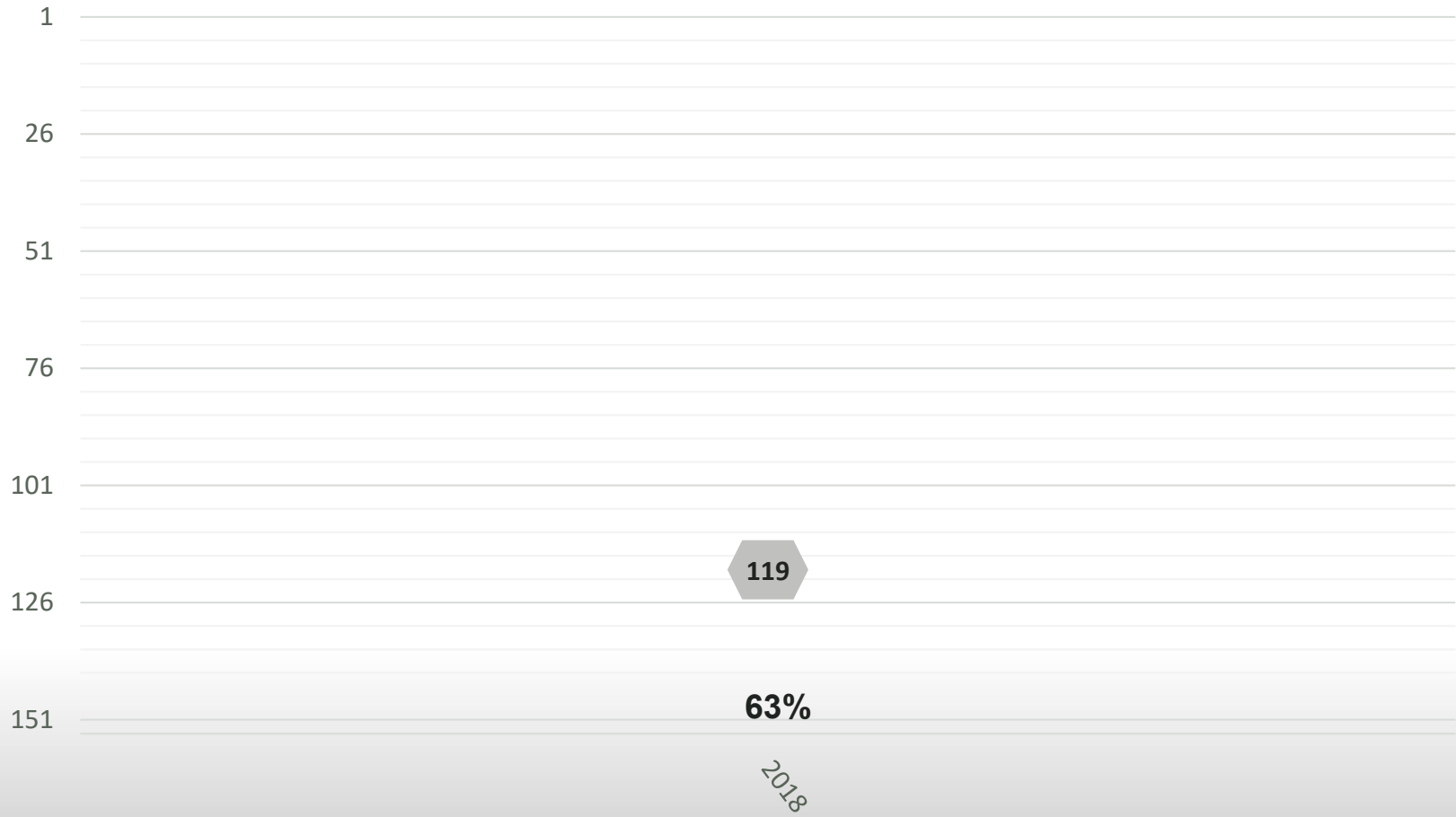
Computer Engineering



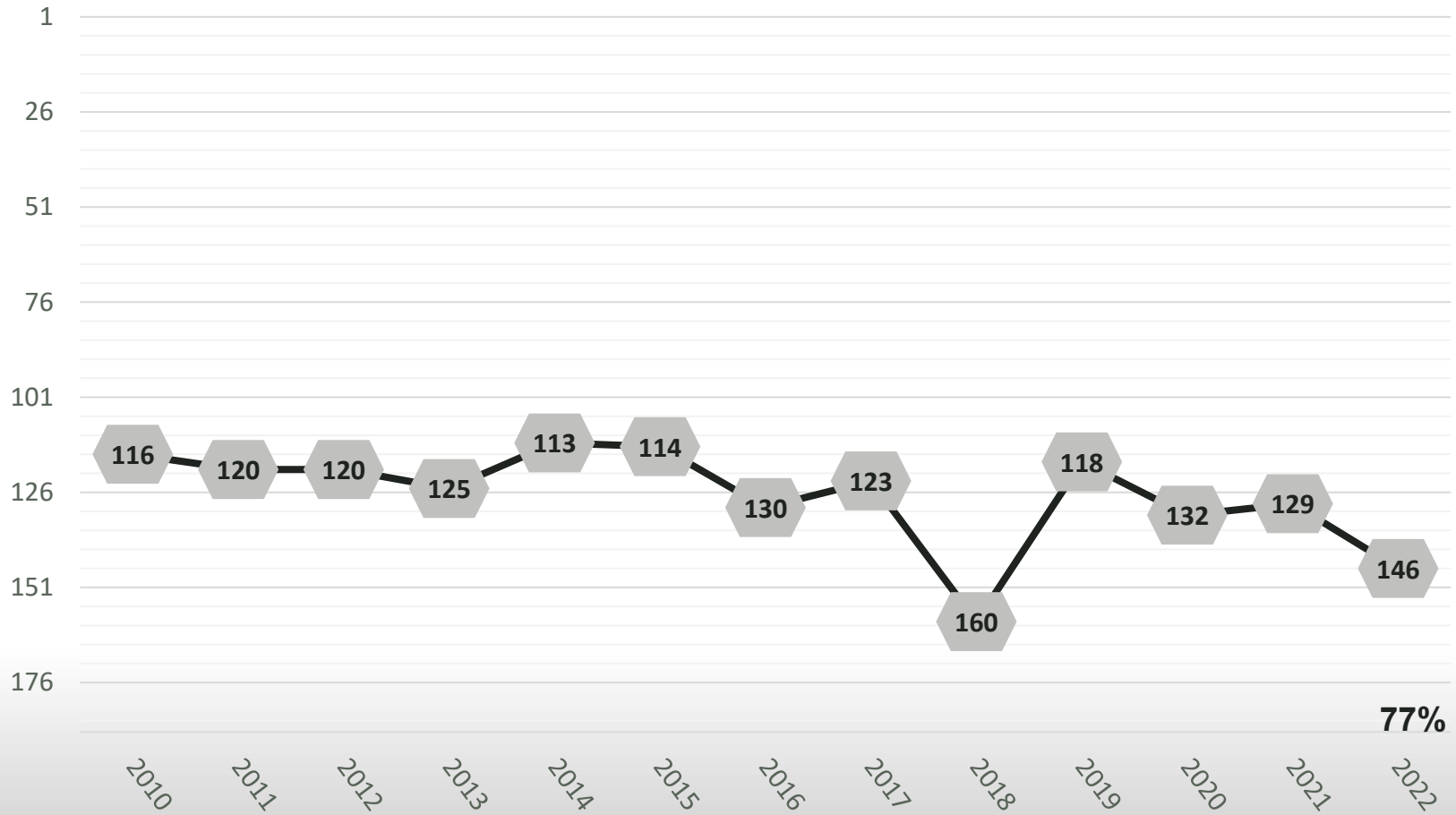
154 Programs ranked for 2022

Computer Science

Part of USNWR Science Schools, ranked every four years.

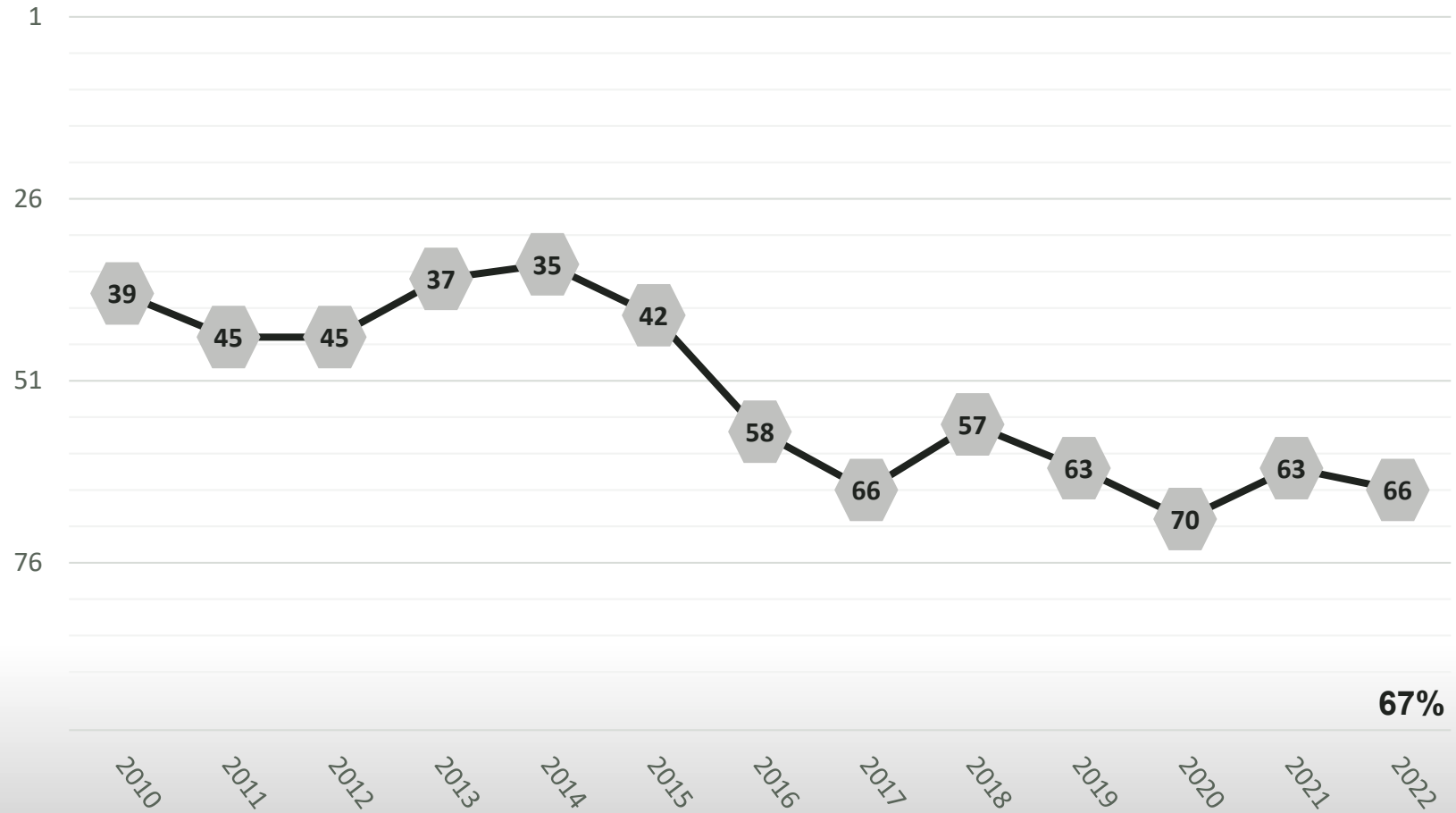


Electrical and Computer Engineering

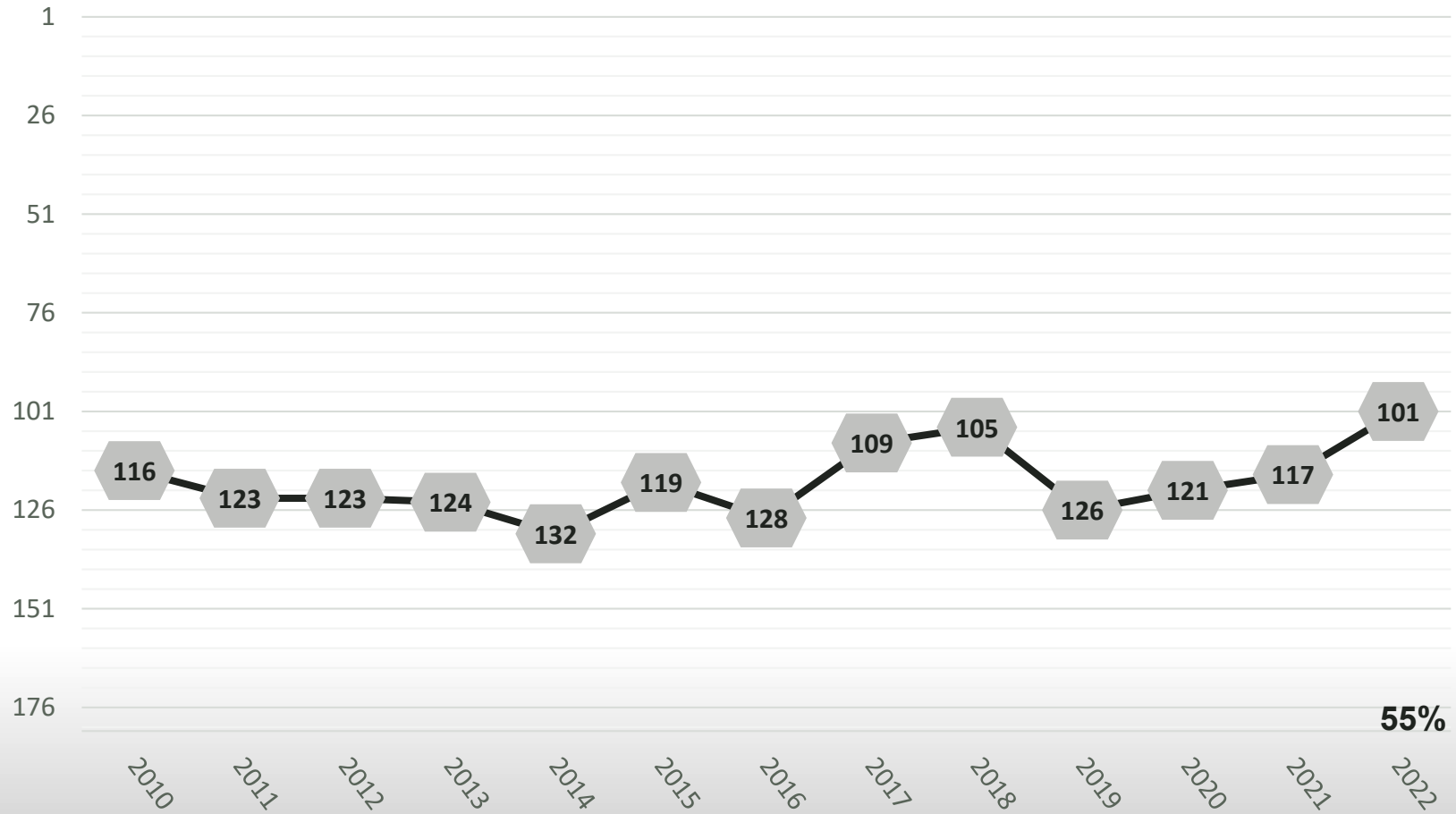


189 Programs ranked for 2022

Industrial Engineering



Mechanical Engineering



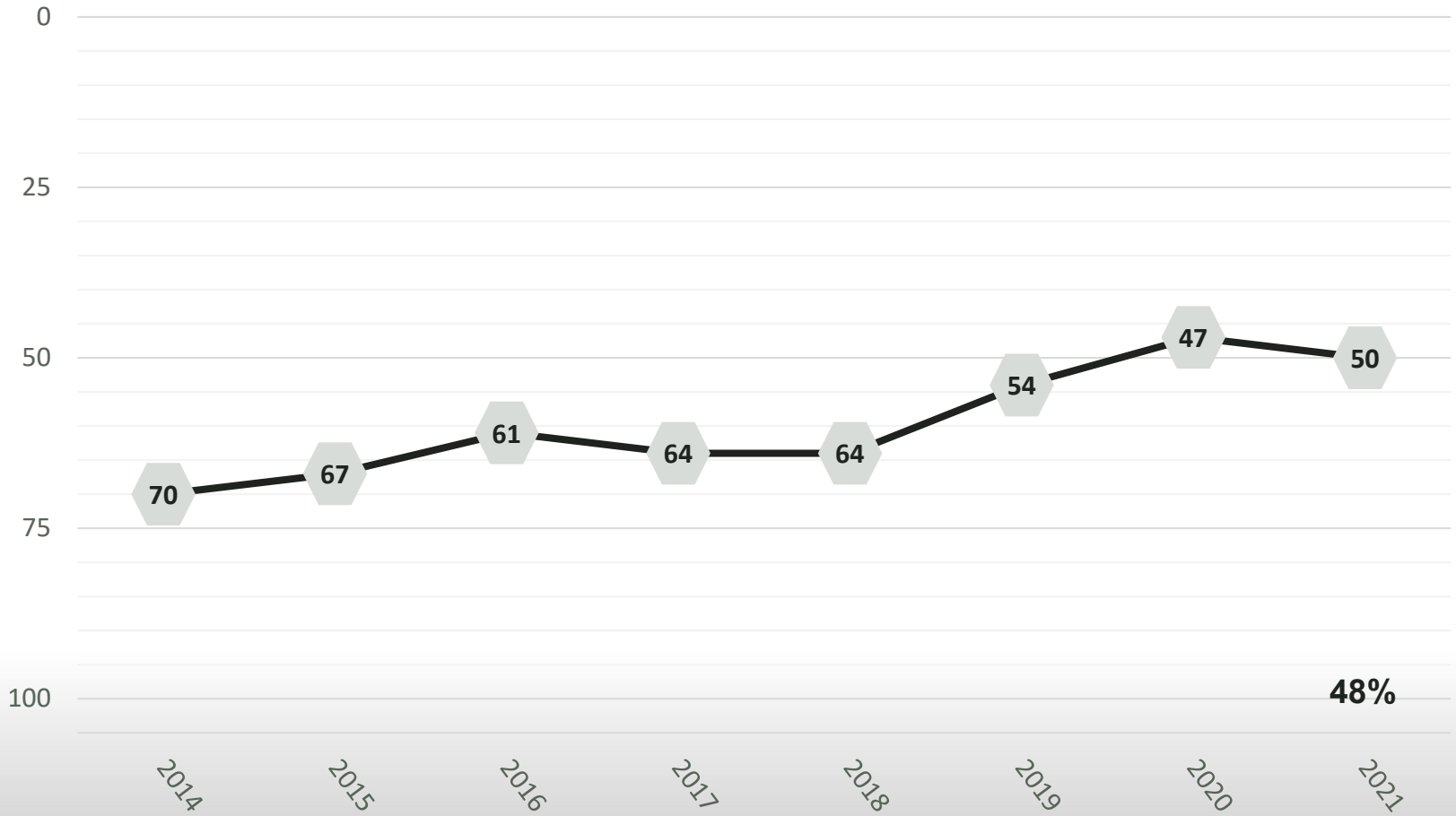
182 Programs ranked for 2022

Online Programs Rank Methodology

Weights used in ranking

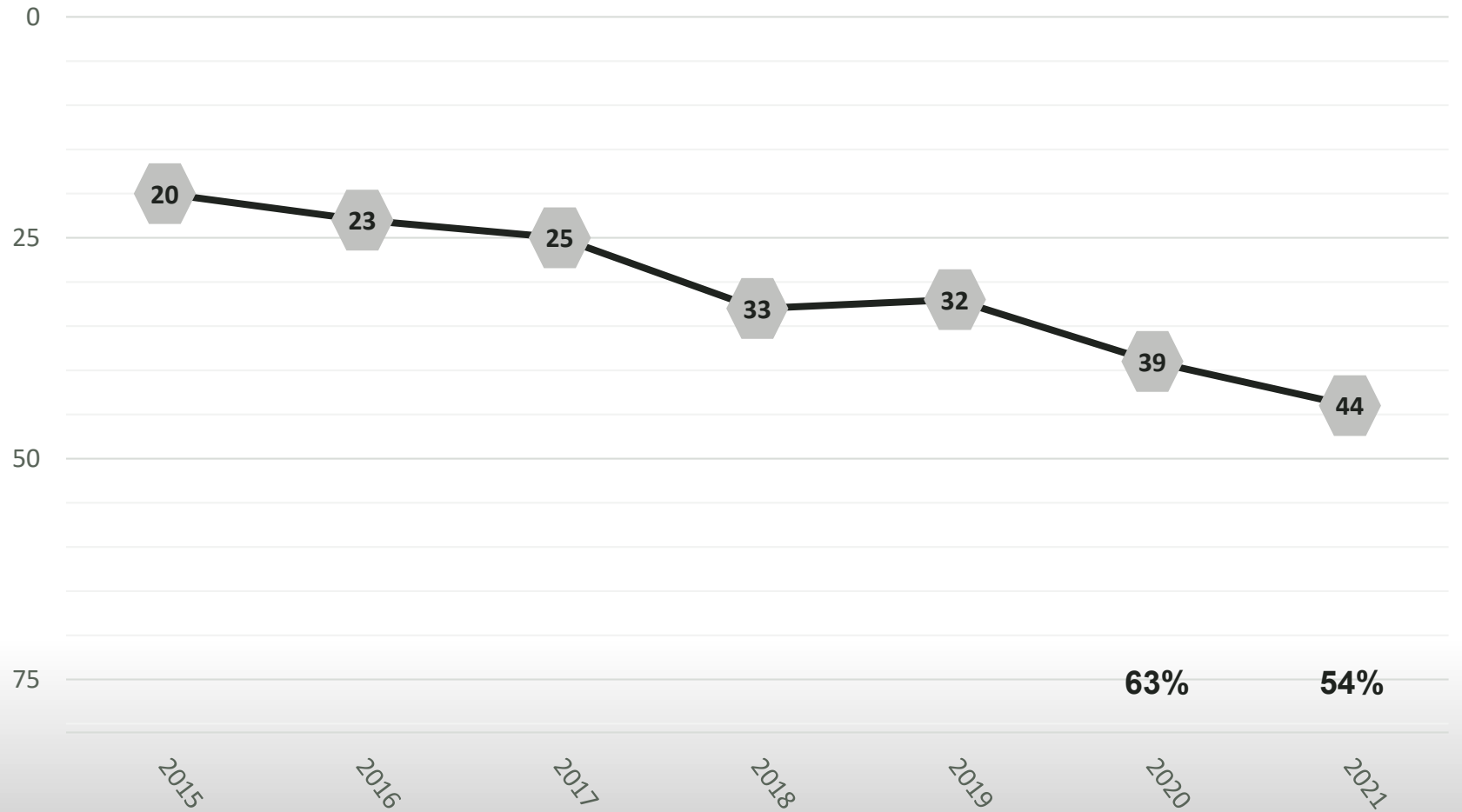
- **Engagement (25%):** Quality online engineering programs promote participation in courses, allowing students opportunities to readily interact with their instructors and classmates, as is possible in a campus-based setting. In turn, instructors are not only accessible and responsive, but they are also tasked with helping to create an experience rewarding enough that students stay enrolled and complete their degrees in a reasonable amount of time.
- **Faculty Credentials and Training (25%):** Strong online programs employ instructors with academic credentials that mirror those of instructors for campus-based programs, and they have the resources to train these instructors to teach distance learners.
- **Expert Opinion (25%):** A survey of high-ranking academic officials in engineering helps account for intangible factors affecting program quality that statistics do not capture. Also, employers may hold in high regard degrees from programs that academics respect.
- **Services and Technologies (12.5%):** Programs that incorporate diverse online learning technologies allow greater flexibility for students to take classes and labs from a distance. Outside of classes, strong support structures provide learning assistance, career guidance and financial aid resources commensurate with quality campus-based programs.
- **Student Excellence (12.5%):** Student bodies entering with proven aptitudes, ambitions and accomplishments can handle the demands of rigorous coursework. Furthermore, online degrees that schools award judiciously will have greater legitimacy in the job market.

Online Graduate Engineering



105 Programs ranked for 2021 – Reflects Engineering Management and Civil Engineering

Computer Information Technology



81 Programs ranked for 2021 – Reflects Computer Science