



Career Connections

It's
important to
take time to
learn about
careers and
how it
connects to
your skills &
interests!



“When you want
to know how
things really
work, study them
when they're
coming apart.”
- William Gibson



Spotlight on careers in Engineering & Advanced Manufacturing

There are many types of exciting
engineering careers. Check out
these resources to find out more:

[Occupational Outlook](#)

[Discover Engineering](#)

[Career Engineering spotlight videos](#)

What engineering career sounds the
most interesting to you and why?

[Local spotlight! Continental](#)

[Interview with Zach Bolton](#)

[Innovation manager](#)



Courses you can consider taking in
high school that prepare and
develop your skills and for
engineering education and training.

- Science: chemistry & physics
- Engineering, Architecture
and Robotics classes
- Math
- Computer Programming

Essential Skills for Engineers

1. Communication skills
2. Teamwork
3. Planning
4. Analysis
5. Creativity



Self-Reflection on Careers

1. Describe a time you felt
successful.
2. Describe your strengths.
3. What would other people say
are your strengths?
4. When thinking of your future,
are there any skills you would
like to further develop?
5. What can you do to make
this happen?



Career Resource: Xello

Xello self awareness assessments,
career exploration, career assessments,
college major insight, college features
and career planning strategies are all
here on Xello.

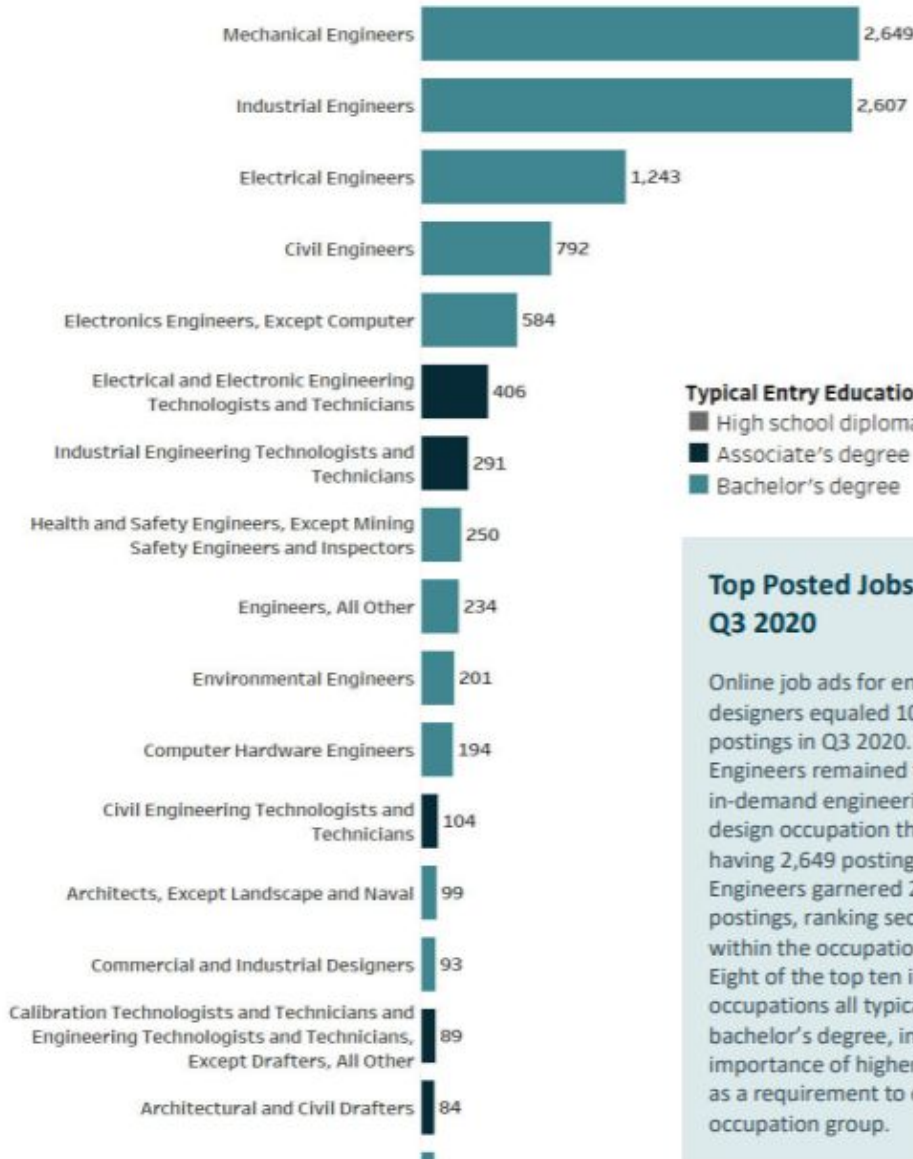
Students can click [here](#) and use their
RCS gmail account information to
connect to Xello anytime to access
resources.

xello



Engineer Job postings from 2020 and in-demand skills

Engineering and Design
Top Posted Jobs
Q3 2020



Typical Entry Education

- High school diploma or equivalent
- Associate's degree
- Bachelor's degree

Top Posted Jobs: Q3 2020

Online job ads for engineers and designers equaled 10,491 postings in Q3 2020. Mechanical Engineers remained the highest in-demand engineering and design occupation this quarter, having 2,649 postings. Industrial Engineers garnered 2,607 postings, ranking second place within the occupation group. Eight of the top ten in-demand occupations all typically require a bachelor's degree, indicating the importance of higher education as a requirement to enter this occupation group.

In-Demand Technical Skills

- Electrical Engineering
- Mechanical Engineering
- New Product Development
- AutoCAD
- Computer-Aided Design

In-Demand Foundational Skills

- Communications
- Management
- Problem Solving
- Leadership
- Microsoft Office

In-Demand Education Level*

- High School Diploma: 8.5%
- Associate Degree: 7.4%
- Bachelor's Degree: 57.4%
- Master's Degree: 12.8%

In-Demand Certifications

- Professional Engineer
- Licensed Professional Engineer
- Six Sigma Green Belt Certification
- Engineer in Training
- (American Society For Quality) ASQ Certified

*Not all job postings indicate the required educational attainment level, therefore the percentages found here may not add up to 100 percent