

Aeronautical Engineering



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Description of Career

- Aeronautical Engineers explore ways to travel through air and space. The design everything from commercial and military aircraft to aeronautical components for space craft. The Devise ways to make travel faster, safer, and have less of an impact on the environment.



Education + Training



- In order to be eligible to become an aeronautical engineer you will need to acquire a bachelors degree in aerospace or aeronautical engineering. A program offered by ABET (Accreditation Board for Engineering and Technology) may be required for later licensing.

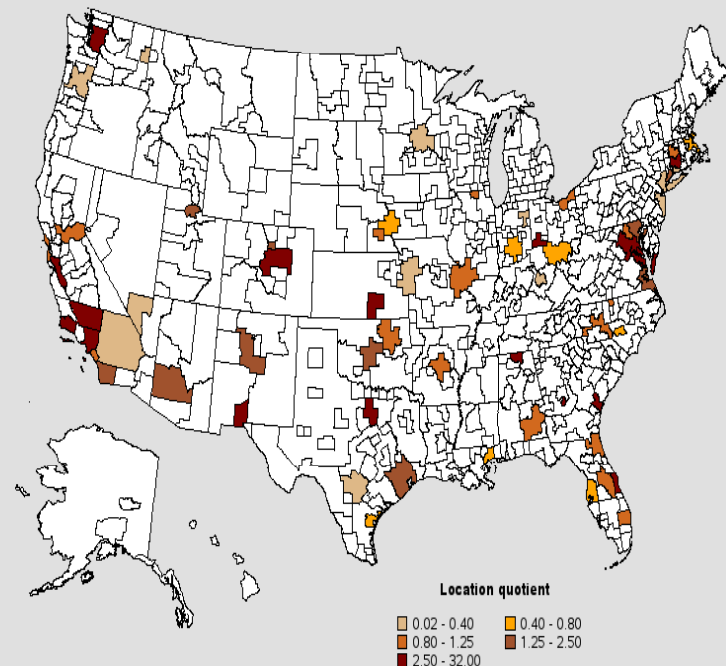
Purdue College's Engineering

- Location: West Lafayette, IN
- A bachelors degree in aeronautics requires 4 years of elective classes in engineering, science, math, and aerodynamics.
- Local cost per year: 23,242
Out of state cost per year: 42,194

Job Specifics

- Travel is not typically a factor. Most work and research is done on site at an employer's place of operation.
- Most work is split between computer and hands on, aeronautical engineers have to research ways to resolve the problem that they are handed and then construct, and vigorously test their solution.
- Most research done by aeronautical engineers in in the form of brainstorming. All the problems they are handed have no known solution, they have to devise their own solution.

Location quotient of aerospace engineers, by area, May 2012



Blank areas indicate data not available.

Pay Scale/Insurance/Benefits

Quick Facts: Aerospace Engineers	
2010 Median Pay ?	\$97,480 per year \$46.86 per hour
Entry-Level Education ?	Bachelor's degree
Work Experience in a Related Occupation ?	None
On-the-job Training ?	None
Number of Jobs, 2010 ?	81,000
Job Outlook, 2010-20 ?	5% (Slower than average)
Employment Change, 2010-20 ?	4,000

- Pay-Median Pay in 2010 was 97,480 per year
- Benefits/Insurance- Typically receive health and life, vacation, sick leave, and retirement plan benefits.

Resources

http://www.streetdirectory.com/travel_guide/192882/careers_and_job_hunting/a_day_in_the_life_of_an_aerospace_engineer.html

<http://www.aero.umd.edu/>

<http://grad-schools.usnews.rankingsandreviews.com/best-graduate-schools/top-engineering-schools/aerospace-rankings>

<http://www.bls.gov/ooh/architecture-and-engineering/aerospace-engineers.htm>

http://www.payscale.com/research/US/Job=Aeronautical_Engineer/Salary
aircraftengineering.wordpress.com