

# Demystifying the Faculty Job Search

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DEL Talk

Fall 2013

# Topics

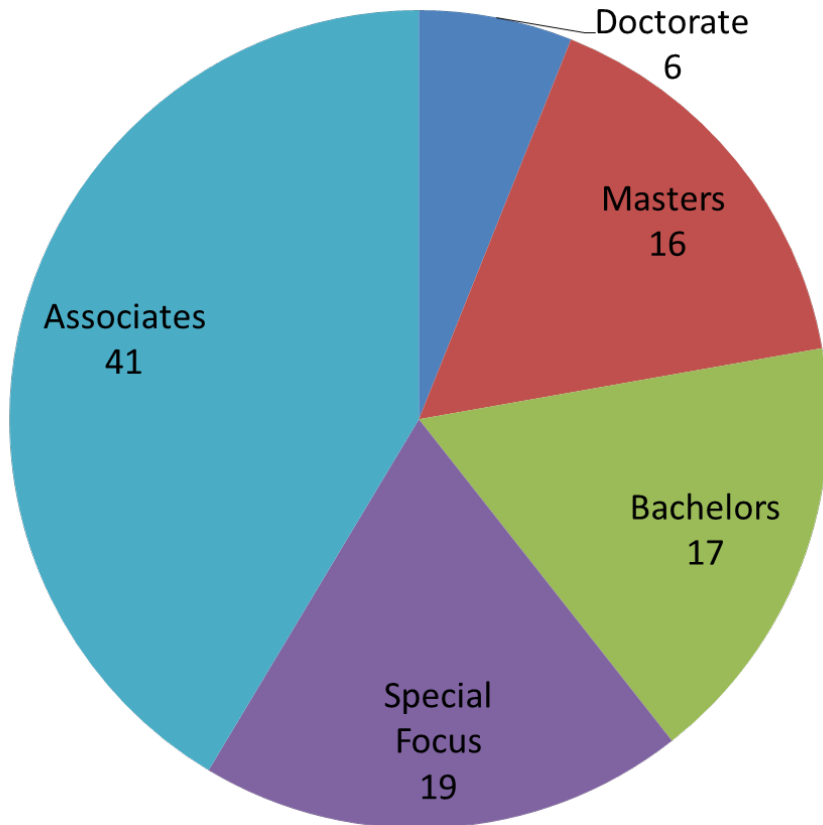
- Why Become a Professor?
- Faculty Job Types
- Finding Faculty Jobs
- Applying to Faculty Jobs

# Reasons to Become a Professor

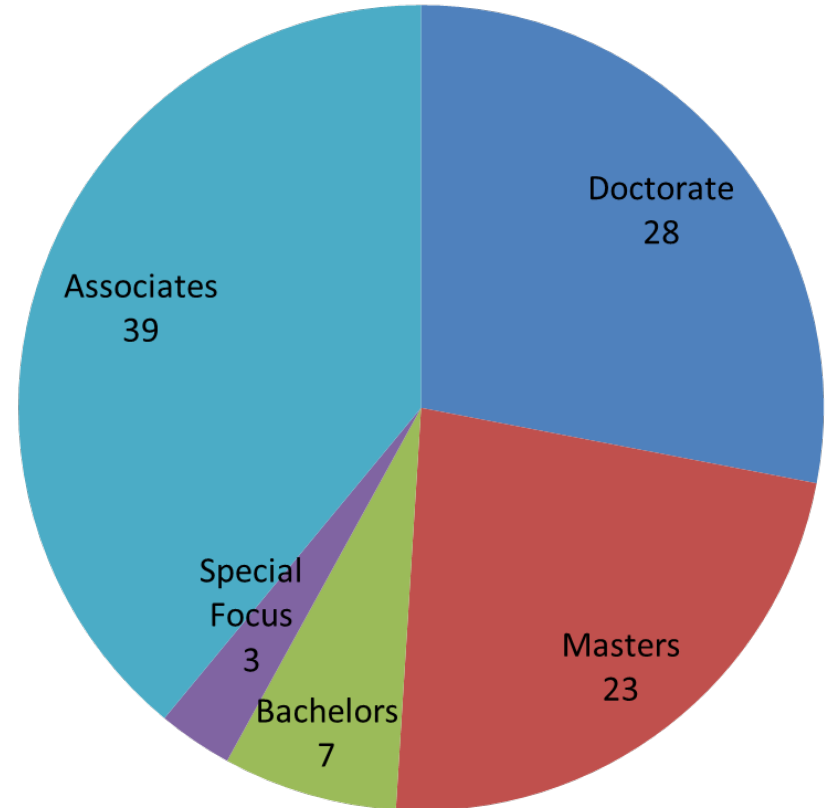
- To teach, advise, and mentor bright students
- To work freely on cool problems of your choosing
- To continue learning throughout your career
- To have a flexible schedule

# Different Institutions

Distribution of Institutions (4,634)



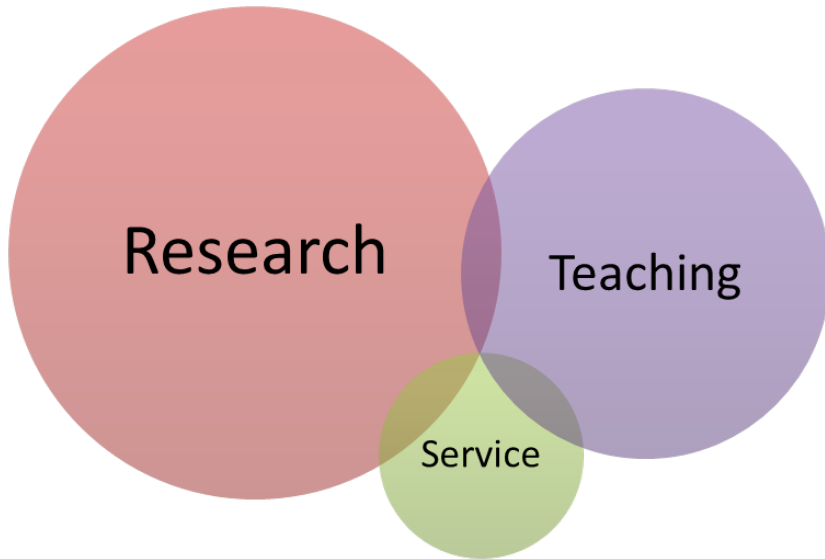
Distribution of Students (20,727,586)



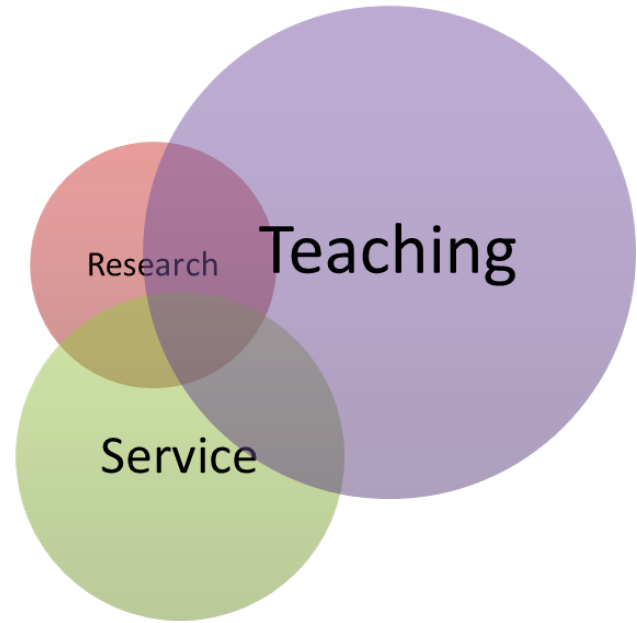
Based on 2010 Carnegie Classifications

# Different Responsibilities

Research (R1) Institution



Teaching Institution



# Different Pathways



## Tenure or Tenure Track

- Assistant Professor
- Associate Professor
- Full Professor

## Non-Tenure Track

- Lecturer/Adjunct Professor


Finding faculty jobs is ...  
*a lot like finding industry jobs*

Applying to faculty jobs is ...  
*a lot like applying to grad schools*

# Finding Faculty Jobs

## School Websites

September 2013



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School of Engineering Education**

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## Eng Ed Jobs Website

Engineering Education Job Postings			
last edited by Adam Carberry 14 hours, 4 minutes ago <span style="float: right;">Page history</span>			
<-Home			
Arizona State University	College of Technology & Innovation, Software Engineering/Information Technology	<a href="#">Open Rank Professor (1 position)</a>	10/10/13
	College of Technology & Innovation, Electrical systems, Robotics	<a href="#">Open Rank Professor (2 positions)</a>	10/10/13
	College of Technology & Innovation, Product Innovation	<a href="#">Open Rank Professor</a>	10/10/13
	College of Technology & Innovation, Cognitive Science and Engineering, Applied Psychology	<a href="#">Open Rank Professor (3 positions)</a>	10/07/13
	May Lou Fulton Teacher's College, Elementary Science	<a href="#">Assistant/Associate Professor - Elementary Science</a>	10/07/13
	May Lou Fulton Teacher's College, Learning Sciences	<a href="#">Assistant/Associate Professor - Learning Sciences</a>	10/07/13
	May Lou Fulton Teacher's College, Learning Sciences Institute	<a href="#">Assistant/Associate Professor (4 positions focused on Learning Analytics, Computer-mediated Collaborative Learning, Engagement during Learning, Learning with new Technologies)</a>	10/08/13
Boise State University	College of Engineering, Engineering Education	<a href="#">Assistant Professor, Do/Teach Engineering Educator</a>	11/05/13
Brown University	Hanet W. Sheridan Center for Teaching and Learning	<a href="#">Postdoctoral Research Associate</a>	07/18/13
Carleton College	Science Education	<a href="#">Visiting Lecturer</a>	06/11/13
Clemson University	General Engineering Program	<a href="#">Director</a>	11/05/13
UNiversity of Colorado	Inclusive Excellence	<a href="#">Assistant Dean</a>	09/16/13
Cyber Innovation Center	K-12 STEM Education	<a href="#">Curriculum Development Specialist (contact <a href="mailto:center@ci-center.org">center@ci-center.org</a>)</a>	09/16/13
Embry-Riddle	Engineering Education	<a href="#">Postdoctoral Associate</a>	09/16/13
Aeronautical University			
Galveston College	Center for New Designs in Learning & Scholarship	<a href="#">STEM Curriculum Specialist</a>	07/01/13
Georgetown University	Center for New Designs in Learning & Scholarship	<a href="#">Postdoctoral Fellow (contact <a href="mailto:John.Rakstrom">John.Rakstrom</a>)</a>	08/05/13
Georgia Tech	CEISAC	<a href="#">Research Scientist - Assessment and Educational Research (contact <a href="mailto:Mahesh.Mendiratta@ceisac.gatech.edu">Mahesh.Mendiratta@ceisac.gatech.edu</a>)</a>	07/01/13
Indraprastha Institute of Information Technology (IIIT)-Delhi	Teaching and Learning - ECE, CSE and Interdisciplinary areas	<a href="#">Tenure Track Faculty Positions</a>	08/15/13

[http://engineeringeducationlist.org/wiki.com/Wpape48108151/Engineering\\_Education\\_Job\\_Postings](http://engineeringeducationlist.org/wiki.com/Wpape48108151/Engineering_Education_Job_Postings)

## Higher Ed Jobs Websites

11/6/13 Advanced Search Results - HigherEdJobs



Search Jobs | My HigherEdJobs | Career Tools | Company | Search Home | Administrative | Faculty | Executive | State/Province | Region/Metro | Dual Career | Job Seekers | Sign In

Home | Search Jobs | Advanced Search | Job Listings

Search Results

Sorted by: [Date Posted](#) | [Institution](#) | [Location](#) | [Priority](#) | [Job Title](#) | [Categories](#)

Results 1 - 25 of 292 [Show All](#) | [Previous](#) | [Next](#)

<p><b>Faculty Job</b></p> <p><a href="#">Instructor, Mechanical Inspection Technician</a> Mechanical Engineering (Posted 10/24/13)</p> <p><a href="#">HVAC Technician (19807)</a> Facilities Management (Posted 11/06/13)</p> <p><a href="#">Adjunct Faculty - Mechanical &amp; Electrical Engineering</a> Mechanical Engineering (Posted 11/06/13)</p> <p><a href="#">Dean, Lyles College of Engineering (Administrator IV)</a> Engineering Deans (Posted 11/05/13)</p> <p><a href="#">Mechanical Engineering, Full Tenured Professor</a> Mechanical Engineering (Posted 11/05/13)</p> <p><a href="#">Assistant Professor, Non-Tenure Track Position</a> Mechanical Engineering (Posted 11/05/13)</p> <p><a href="#">Assistant Professor</a> Mechanical Engineering (Posted 11/05/13)</p> <p><a href="#">Assistant/Associate/Full Professor - Mechanical and Aerospace Engineering</a> Mechanical Engineering (Posted 11/05/13)</p> <p><a href="#">Assistant, Associate, Professor</a> Mechanical Engineering (Posted 11/04/13)</p> <p><a href="#">Assistant Professor of Mechanical Engineering</a> Mechanical Engineering (Posted 11/04/13)</p> <p><a href="#">Visiting Professor</a> Industrial and Manufacturing Engineering (Posted 11/04/13)</p> <p><a href="#">Research Instrumentation Specialist</a> Laboratory and Research (Posted 11/02/13)</p> <p><a href="#">Research Project Coordinator II (Reorganized by IIRAA/IT)</a> Sponsored Programs, Grants, and Contracts (Posted 11/02/13)</p> <p><a href="#">Energy Management Engineer</a> Facilities Management (Posted 11/02/13)</p> <p><a href="#">Open Rank Faculty Positions in Fluid-Thermal Science</a> Mechanical Engineering (Posted 11/01/13)</p> <p><a href="#">Secretary, Mechanical / Biomedical Engineering</a> Secretary and Administrative Assistants (Posted 11/01/13)</p> <p><a href="#">Tenure Track Assistant Professor in Mechanical Engineering</a> Mechanical Engineering (Posted 11/01/13)</p> <p><a href="#">Assistant/Associate/Full Professor - #4549</a> Chemistry (Posted 11/01/13)</p> <p><b>FACULTY POSITIONS AT THE CARNEGIE MELLON ROBOTICS INSTITUTE</b> Computer Engineering (Posted 11/01/13)</p> <p><a href="#">Asst/Asso/Full Professor - Computational Science and Engineering</a> Computer Engineering (Posted 11/01/13)</p>	<p><a href="#">Atlanta Technical College</a> Al-Ahsa, Saudi Arabia</p> <p><a href="#">American University</a> Washington, DC</p> <p><a href="#">Alfred State College</a> Alfred, NY</p> <p><a href="#">California State University, Fresno</a> Fresno, CA</p> <p><a href="#">University of Nevada Las Vegas</a> Las Vegas, NV</p> <p><a href="#">University of Pittsburgh at Johnstown</a> Johnstown, PA</p> <p><a href="#">University of Pittsburgh at Johnstown</a> Johnstown, PA</p> <p><a href="#">University at Buffalo</a> Buffalo, NY</p> <p><a href="#">Saint Louis University</a> St. Louis, MO</p> <p><a href="#">Kettering University</a> Flint, MI</p> <p><a href="#">Tecnologico de Monterrey, Campus Hidalgo</a> Pachuca, Mexico</p> <p><a href="#">University of California, Santa Cruz</a> Santa Cruz, CA</p> <p><a href="#">Rutgers, The State University of New Jersey</a> New Brunswick, NJ</p> <p><a href="#">George Washington University</a> Washington, DC</p> <p><a href="#">Virginia Tech</a> Blacksburg, VA</p> <p><a href="#">Widener University</a> Chester, PA</p> <p><a href="#">Southern Methodist University</a> Dallas, TX</p> <p><a href="#">University of Wyoming</a> Laramie, WY</p> <p><a href="#">Carnegie Mellon University</a> Pittsburgh, PA</p> <p><a href="#">Northeastern University</a> Boston, MA</p>
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www.higheredjobs.com/search/advanced\_action.cfm?sortCat=8&PosType=1&PosType=2&InstType=1&InstType=2&InstType=3&Keyword=mechanical+engineer... 1/2

Also: [me\\_job\\_postings@mailman.stanford.edu](mailto:me_job_postings@mailman.stanford.edu)  
networking at conferences  
letting your colleagues know you're looking



# Applying to Faculty Jobs

- Process From Your POV
  - Ads typically released Aug.-Nov. and March-April
  - Applications due typically due 1-3 months later
  - Decisions can take up to 6 months or more

# Applying to Faculty Jobs

- Timeline from Their POV
  - Divide and conquer applications
  - Individually, sort into yes/no/maybe
  - As a group, discuss and sort into yes/no/maybe
  - Invite the “yes” candidates
  - Vote on the “maybe” candidates
  - Decline the “no” candidates

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UNIVERSITY.

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# Cover Letter (aka Letter of Application)

- 1-2 page summary of why you're awesome
- Includes research and teaching, but also other important items covered in your CV
- Helps the search committee decide yes/no/maybe (and might be the only document they look at)

## TIPS:

1. Write this document last, based on your other materials
2. Ask someone who knows you well to read it – did you miss anything important?

# Curriculum Vitae (aka CV or Resume)

- Up to 6 pages of your achievements and experiences
- Uses standard categories like “Education”, “Awards”, “Research Experience”, “Teaching Experience” etc.
- Use your judgment about what to emphasize

## TIPS:

1. Update your CV any time you have a new achievement or experience so you don't forget what you did
2. Have someone proofread it before you submit
3. Go for quality over quantity

# Teaching Statement (aka Teaching Philosophy)

- 1-2 page summary of how you teach, what you've taught, and what you would teach in the future
- Emphasis is mainly on pedagogy
- Helps the search committee picture the kind of teacher you would be in the classroom

## TIPS:

1. Get personal experience by being a teaching assistant, an undergraduate mentor, a K-12 workshop volunteer, etc.
2. Think about classes you've enjoyed and why you enjoyed them
3. Ask professors if you can observe them teach

# Research Statement (aka Research Plan)

- 1-3-5 page summary of your broad research, your current research, and your future plans
- Helps the search committee determine if you can hit the ground running doing research
- The page limit will help determine how much to say

## TIPS:

1. Think about the limitations of your current work – what would you go back and do differently?
2. Think about other problems you'd want to work on, but show some connection back to your current work

## Other Materials They Might Ask For

- Statement of Career Goals
- Samples of Your Writing
- Copy of Your Dissertation Abstract
- Portfolio of Your Design Work
- etc.



# General Tips

- Start working on your materials early
- Ask for feedback from lab mates, friends, family
- Make use of Career Center and Writing Center
- Find books and websites to help you

