



University at Buffalo
School of Engineering
and Applied Sciences

Christopher Connor
Assistant Dean and Chief Enrollment Officer for Graduate Education
School of Engineering and Applied Sciences

Job Outcomes, Market Trends and Career Readiness

Congratulations!



The State University
of New York



University at Buffalo
School of Engineering
and Applied Sciences

BANSAL ATR

Job Outcomes and Market Trends



The State University
of New York

Gold Partners



Silver Partners



Dean's Advisory Council



Members of the Dean's Advisory Council gather for a group photo in Grace Plaza outside Davis Hall. Photo by Nancy J. Parisi

The Dean's Advisory Council provides support and advice to the dean in several key areas, such as:

- Long-term planning and strategy
- Development
- Industrial relations
- Educational and professional identity
- Placement
- Curriculum
- Classroom enrichment
- New programs





RECENT H1B VISA SUCCESSES

189



<https://engineering.buffalo.edu/home/academics/grad/internships.html>



Graduate Internships and Outcomes

The School of Engineering Applied Sciences has strong connections to a vast network of over 1,000 employers across the United States that provide internship opportunities to both our domestic and international students.



Graduate Internship Process by Program Area

Graduate students must first secure an internship and then work with their department for approval on course credit. Refer to your program area below to learn the specific process and requirements.

ON THIS PAGE:

- Biomedical Engineering (BME)
- Chemical and Biological Engineering
- Civil, Structural and Environmental Engineering
- Computer Science and Engineering
- Electrical Engineering (EE), Engineering Science MS (Engineering Sustainability)
- Industrial and Systems Engineering
- Materials Design and Innovation
- Mechanical and Aerospace Engineering
- Computational and Data Engineering
- Data Sciences and Applications
- Engineering Science (Artificial Intelligence)
- Sustainable Transportation and Logistics



International students must attain Curricular Practical Training (CPT) approval by working with their department and [International Student Services](#).

Biomedical Engineering (BME)

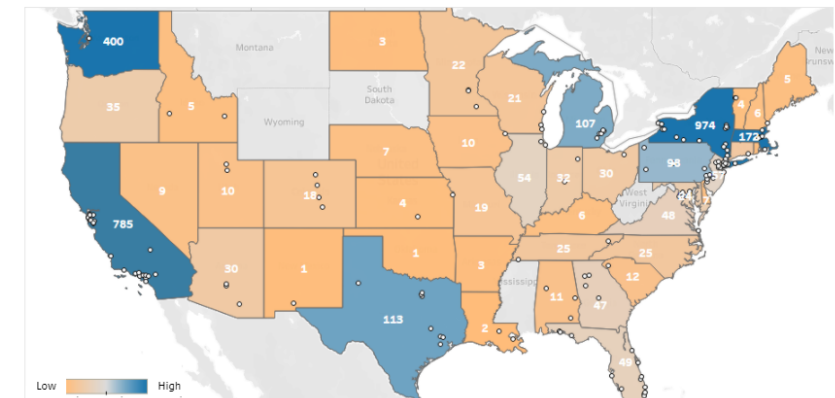
Internship Approval Process:	Students must submit via Force Registration Portal: BE 596 Graduate Internship, and Internship Description.
Course:	BE 596 Graduate Internship
Degree Requirement:	This course allows students to obtain credits for their Biomedical Engineering degree while applying the skills and knowledge in an industry position. This is a variable unit course, up to three (3) credits. The number of credits to be earned is designated by the number of credits for which the student registers. For each credit hour, a minimum of forty-five (45) hours at the internship or jobsite must be completed.

Employment Locations of Recent Graduates

This map includes employment outcomes of all recent international and domestic graduates (2014 -2020) from the School of Engineering and Applied Sciences.

Source: LinkedIn

USA Employment Locations of Recent Graduates



Top USA Employers of Recent Graduates

Program Level: (All) Program: (All) Citizenship: (All)

Amazon	BlackRock	HDR	Thornton Tomasetti	Anthem, Inc.
Higher Education Institutions	Apple	CUBRC	Thermo Fisher Scientific	Aistom
Microsoft	FactSet	Caterpillar Inc.	Texas A&M University	Zodiac Aerospace
Google	eBay	Seeking Employment	Samsung	ZF Group
University at Buffalo	VMware	Arup	Populi Design Group	Yanfeng Automotive Interiors
Qualcomm	Intel	Aptiv	Pennsylvania State University	Xerox
Intel Corporation	ACV Auctions	Adobe	Nordstrom	WhiteHat Security
Oracle	Moog	Tuilio Inc.	Niagara Bottling	WePay
Facebook	Wayfair	The Jacobs Institute	Mott MacDonald	Volvo Group
Siemens	Verizon Media	Palo Alto Networks	Modjeski and Masters	Veracode
Walmart	MTX Group Inc.	Lyft	US Army Corps of Engineers	University of Rochester
Goldman Sachs	LinkedIn	Lockheed Martin	Unifrax	UBS
Ford Motor Company	Stanford University	Intuit	Stark Tech Group	Staples
Salesforce	Praxair	General Motors		
Bloomberg LP	PayPal	FS Networks		
IBM	NVIDIA	Epic		
Tesla	Medtronic	Citi		
	MathWorks	Cadence Design Systems		

Take advantage of our industry partnerships

Our students benefit from the school's Engineering Partnership Program, Dean's Advisory Council and Young Alumni Board role in strengthening the school's relationships with local and national companies. Their collective participation benefit a employment futures by supporting and participating in programs such as the annual Career Perspectives Networking C

Emsi Data

The best labor market data available anywhere.

Internships and Outcomes

GET IN TOUCH

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New Geography of Skills:
Regional Skill Shapes for the
New Learning Ecosystem

[Read Report →](#)



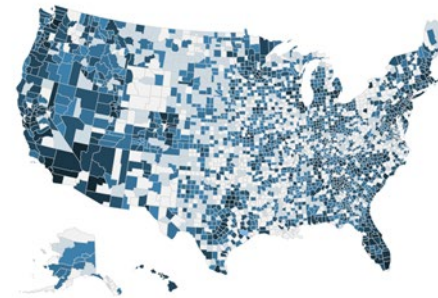
Degrees At Work:
Examining the serendipitous
outcomes of diverse degrees

[Read Report →](#)



Emsi Skills
A common language for people, colleges,
companies, and regions.

[See Resources →](#)



Emsi data

Comprehensive. Current. Easy to use.



Labor market data

Data from government sources like US
Census Bureau and the Department of
Labor



Job postings

Data from job advertisements made by
employers (aka real-time labor market data)



Profile data

Data from online profiles and resumes
created by students and jobseekers

What is Emsi Data?

Our economy is massive and fast-moving. So if you want to understand what's going on, you need the whole picture. That's why we pull our data from multiple sources: to give you the most complete, nuanced, up-to-date view of the labor market possible.

CAREER READINESS



PROFESSIONALISM ORIENTATION AND NETWORKING RECEPTION



The State University
of New York

SEAS 360° Professional Development

The School of Engineering and Applied Sciences offers graduate students an opportunity to receive free professional development training through the SEAS 360° Certificate of Professional Development program. Students will earn their certificate once they complete 25 hours of training through workshops, seminars and experiential learning opportunities.

- **Areas of training include the following:**

- Critical Thinking/ Problem Solving
- Oral/ Written Communications
- Teamwork Collaboration
- Digital Technology
- Leadership
- Professionalism/ Work Ethic
- Career Management
- Global/ Intercultural Fluency

Workshops are presented by University at Buffalo staff, faculty, alumni and industry professionals

More information can be found on our website:

<http://engineering.buffalo.edu/home/academics/beyond/professionalism/seas360.html>



2020
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Teaching and research

IELTS in the USA

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IELTS USA Best Practices Award Recipient



IELTS USA is proud to announce the SEAS 360° program at the University at Buffalo (UB), The State University of New York's (SUNY) School of Engineering and Applied Sciences as the 2020 recipient of the Best Practices in International Enrollment Management Award!



The SEAS 360° Certificate of Professional Development  at the University at Buffalo highlights the critical role that collaboration plays in the successful recruitment and retention of international students. The variety of internal and external stakeholders demonstrates the importance of working in unison to foster an environment where international students have equal and equitable opportunities to take full advantage of their education. The collaborators represent various touchpoints throughout the student lifecycle supporting SEAS 360° success in identifying and connecting stakeholders committed to international students. Newly developed relationships with UB's International Student Services, Alumni Relations, and Career Services allows the School of Engineering and Applied Sciences to employ a strategic approach to international enrollment management and demonstrate its value for career preparation.

According to John Wood, Ph.D., Interim Vice Provost for International Education at the University at Buffalo, "SEAS 360° powerfully leverages the skill sets and programming of multiple units within the School and beyond" and relied on existing but underutilized resources to offer a cost-free 25-hour certificate program. Participants are offered eight areas of training to develop and improve high demand "power skills," as identified by the National Association of Colleges and Employers (NACE). The SEAS 360° Certificate of Professional Development is in direct response to challenges surrounding intercultural assimilation for international graduate



SCHOOL OF ENGINEERING AND APPLIED SCIENCES PRESENTS
Leadership for Engineers and Applied Scientists
MICRO-CREDENTIAL



The Leadership for Engineers and Applied Scientists micro-credential provides an opportunity for future engineers and applied scientists to become "career ready." You will gain critical leadership skills to better prepare you for jobs in industry or academia, as well as a better understanding your own leadership capabilities. These skills will assist with transitions to the workforce and are critical to being an effective lifelong learner, which is recognized as a critical competency for engineers.

For more information, visit buffalo.edu/micro-credentials.

LEVEL
Graduate

WHO IS ELIGIBLE?
Both UB and non-UB students

CREDIT OR NON-CREDIT?
Not for Credit

INSTRUCTION METHOD
Hybrid

TIME TO COMPLETION
Two semesters

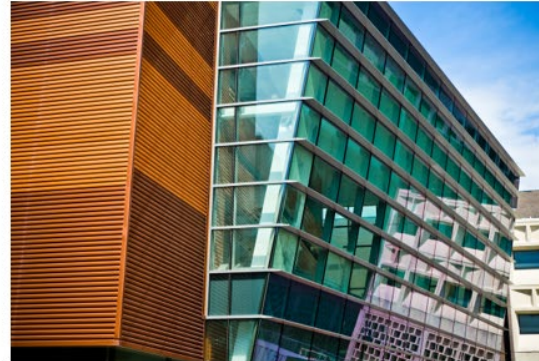
SKILLS YOU WILL OBTAIN

- Leadership
- Career Management
- Teamwork/Collaboration
- Professionalism
- Oral/Written Communication
- Critical Thinking/Problem Solving
- Global/Intercultural Fluency

Program Contact:
Catherine Lengel
415 Bonner Hall, Buffalo, NY 14260
Cb2@buffalo.edu
716-645-9689



SCHOOL OF ENGINEERING AND APPLIED SCIENCES PRESENTS
Professionalism and Communication for Engineers and Applied Scientists
MICRO-CREDENTIAL



The Professionalism and Communication for Engineers and Applied Scientists micro-credential is an opportunity for graduate students in the School of Engineering and Applied Sciences to gain enhanced communication skills. You will learn valuable strategies for strengthening your professional presence and communication skills so that you are better prepared for jobs in industry or academia.

For more information, visit buffalo.edu/micro-credentials.

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- SEAS 360 Diversity and Inclusion for Engineers and Applied Scientists

- Coming Spring 2021



Welcome to Career Coach

Discover majors and in-demand careers and education based on your interests!

Take Career Assessment

Take a Career Assessment to learn about yourself and Career Coach will give you career suggestions based on your interests.

Browse Careers

Browse or search for careers and we will give you relevant data on wages, employment, and the training you need.

Browse Programs

Browse or search for the available Programs that lead to the career you want.

Computer Hardware Engineers

Save

Overview About Wages Employment Similar Careers Live Job Postings

\$119,092

Median Salary

New workers start around \$68,881. Normal pay is \$119,092 per year. Highly experienced workers can earn up to \$178,645.

6,796

Annual job openings

Openings are regional vacancies due to growth and turnover in this career.

Field ...

Compressor Product Engineer -...

Dek International GMBH
Buffalo, NY

SKILLS REQUESTED

0 0 7 19
HAVE WANT DON'T HAVE OTHER

Transportation Construction In...

Canal Corporation
Buffalo, NY

SKILLS REQUESTED

0 0 7 22
HAVE WANT DON'T HAVE OTHER

- EMSI Career Coach and Skills Match
 - Identify skills and receive personalized career recommendations



University at Buffalo
School of Engineering
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Fall 2020

A large background image showing a busy networking event. Numerous people are gathered around several round tables covered with blue cloths. Some individuals are standing and talking, while others are seated. The setting appears to be a modern, well-lit indoor space with large windows in the background. A teal banner with white text is overlaid in the center of the image.

7th ANNUAL CAREER PERSPECTIVES NETWORKING CONFERENCE



#UBuffalo



ATTENTION...

University at Buffalo

School of Engineering and
Applied Sciences International Students

Get Noticed. Get Hired! Program



University at Buffalo
School of Engineering
and Applied Sciences



The State University
of New York



Marcelo Barros

International Student Career Expert



Search for posts in this group



Home



My Network



Jobs



Messaging



Notifications



Me



Work



Recruiter

Edd Online. No GRE. - Now accepting applications for Baylor's Doctor of Education online program. Ad ...



Christopher Connor

Owner

Created group: Feb 2021

Pending posts 0

Requests to join 5

Manage group

Edit group

Recent

- UB School of Engineering and ...
- ACA - Academic Cooperation ...
- 17th Annual Conference
- State University of New York a...
- AIEA: Association of Internatio...

Groups

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Events

- 17th Annual Conference

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- # internationalstudents



UB School of Engineering and Applied Sciences, International Student Internship and Career Community

Listed group



Start a conversation in this group

Photo

Video

Poll

All

Recommended



Christopher Connor

Chief Enrollment Officer | Recruitment and Admissions Innovator | Internatio...
1d



Marcelo Barros • 1st

International Student Career Expert (H-1B & OPT)
1d • Edited

International Students: Looking for 2 MBAs, 1 STEM graduate student from any major, and 1 undergrad from any major to join our get-hired course (see below) that starts on March 30th. Contact me today regarding this if interested.

The International Advantage



LIVE International Advantage

Job Search Course for Internationals Who

330 members

Including Marcelo Barros and 44 other connections



+41

Invite connections

See all

About this group

This group is being established to create a networking community of support for International Students seeking Internships and Career Opportunities. While this group is intended for International students, interested domestic students are also ...

See all

Admin



Christopher Connor

You Owner

Chief Enrollment Officer |
Recruitment and Admissions
Innovator | Internationalization
Specialist | Student Success
Advocate | Business Process
Engineer |

Promoted

Edd Online. No GRE.



What major should you choose? How do you get an on campus or part-time job? When should you start planning your career path? We're here to help you get the answers you need — and the opportunities you deserve.

FEATURED EVENT



On Campus Job Fair

If you're a UB student looking for a job on campus — or you need to hire UB students for your campus office — we encourage you to attend the On Campus Job Fair, held annually in late August.

EVENTS AND FAIRS

OUR UPCOMING EVENTS

Aug
24

On Campus Job Fair
12:00 PM – 2:00 PM
Student Union (SU) – Room 145

Oct
04

STEM UP Job and Internship Fair
12:30 PM – 4:30 PM
Alumni Arena – Main Gym

QUICK LINKS

- [▶ Resume help](#)
- [▶ Tips for starting a conversation](#)
- [▶ What to wear at an interview](#)
- [▶ Directions to Career Services](#)

Bullseye powered by Handshake

- Campus career fairs and regular networking events for graduate students to expose them to employers. (e.g. STEAM Up Fair)

• SET YOUR ideas IN MOTION

Blackstone LaunchPad

at UB offers training and workshops to develop the next generation of **entrepreneurs**.



WORKSHOPS



EVENTS



COMPETITIONS



COACHING &
MENTORING



SKILLS
DEVELOPMENT



NETWORKING

Blackstone LaunchPad is a campus-based entrepreneurship program designed to introduce entrepreneurship as a viable career path. At Blackstone Launchpad, there's something for everyone.

QUESTIONS?

