

## Important Dates

Final Exams **Dec 11-18**

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Winter break **Dec 19**

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Winter Session begins **Jan 4**

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## Scholarship Opportunities

### SEAS Senior Scholar Program

**Deadline to apply: Dec 15**

The School of Engineering and Applied Sciences (SEAS) Senior Scholar program is an opportunity for undergraduate students at the University at Buffalo to carry out research with a SEAS faculty member. This experience begins during the spring semester of a student's senior year (final year of undergraduate study) and can continue into their graduate program. *See attached.*

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### Cobham Scholarship

**Deadline to apply: Jan 15**

The Cobham Scholarship provides \$5,000 to the selected candidate for their Senior year. The student will also receive a paid internship with Cobham Mission Systems in the summer between their Junior and Senior year and may be offered an opportunity to continue interning at some level throughout their senior year. The attached application form has a full description of requirements. *See attached.*

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## Finals Week

Good luck to all this week during Final Exams! We know this is a stressful week, but remember that proper nutrition and sleep is as important as ever! For a refresher on some study tips, check out this [guide](#) created by the CSE department.

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## Congrats Grads!

Congrats to all our MAE students graduating this semester! We are very proud of all you have accomplished already and cannot wait to see what you do next! Don't forget to [stay in contact](#) with us and take us along on your journey.

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To post to the weekly bulletin, contact Brittany Sandor at [bsmetank@buffalo.edu](mailto:bsmetank@buffalo.edu)

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## ANNOUNCEMENTS

[Faculty mentors](#) are your first resource with questions related to career aspirations, research goals, and graduate school guidance. Sign up now [online](#).

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### MAE Force Registration

All MAE Force Registration requests should now be made through the online application [online](#). Please read all instructions prior to filling out form.

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### Technical Electives

A list of Spring 2018 MAE Technical Electives can be found [online](#). Please note that this list is not a guarantee of course availability, and some courses are subject to cancellation.

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University at Buffalo

Department of Mechanical  
and Aerospace Engineering  
School of Engineering and Applied Sciences

[mae.buffalo.edu](http://mae.buffalo.edu)

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## 2018 SEAS Senior Scholar Program

The School of Engineering and Applied Sciences (SEAS) Senior Scholar program is an opportunity for undergraduate students at the University at Buffalo to carry out research with a SEAS faculty member. This experience begins during the spring semester of a student's senior year (final year of undergraduate study) and can continue into their graduate program.

### Scholarship Information:

- **Master's Degree applicants:** If awarded, students who have applied to a master's degree program will receive a stipend of \$100 in Spring 2018. Students will also be eligible to receive another \$1,000 if they are accepted and choose to enroll at UB's School of Engineering and Applied Sciences for graduate studies in Fall 2018.
- **PhD Degree applicants:** If awarded, students who have applied to a PhD degree program will receive a stipend of \$100 in Spring 2018. Students will also be eligible to receive another \$2,000 if they are accepted and choose to enroll at UB's School of Engineering and Applied Sciences for graduate studies in Fall 2018.

### Eligibility:

- Currently enrolled UB undergraduate student with Senior standing; expecting to graduate by June 2018 or September 2018. (All UB undergraduate majors are eligible)
- Minimum overall GPA 3.0 is required; overall GPA of 3.3 is preferred.
- Must **submit and complete** an online application to a graduate program in UB's School of Engineering and Applied Sciences by **December 15<sup>th</sup>, 2017**.

### Application Process:

- Visit [https://ub-gradeng.formstack.com/forms/senior\\_scholars\\_fall2018](https://ub-gradeng.formstack.com/forms/senior_scholars_fall2018) to apply.
- Applications must include your current resume, a personal statement (approx. 250 words) describing your technical/research interests and potential plans for graduate study and the name of the faculty member you wish to pursue a research opportunity with.

### Important Notes:

- This is an application process, the SEAS Office of Graduate Education will review applications and notify awardees before the start of the spring 2018 semester.
- Student must provide proof of undergraduate research experience before the scholarship will be dispersed in the spring of their senior year.
- Students have the potential to obtain 3 academic credit hours for undergraduate research (please see your department for more details).

Questions about the Senior Scholarship program should be directed to Kellie McBride at [kelliest@buffalo.edu](mailto:kelliest@buffalo.edu)

**Cobham Scholarship Application  
School of Engineering & Applied Sciences  
University at Buffalo**

This scholarship provides \$5,000 to the selected candidate for their Senior year. The student will also receive a paid internship with Cobham Mission Systems in the summer between their Junior and Senior year [see *job description on subsequent page*] and may be offered an opportunity to continue interning with Cobham at some level throughout their senior year.

Eligible candidates must meet the following criteria:

1. Good academic standing in their Junior year pursuing a degree in Mechanical, Electrical or Aerospace Engineering at the University at Buffalo;
2. A minimum GPA of 3.2;
3. Demonstrated leadership qualities reflected in resume and/or application essay;
4. Expected graduation date no later than May 2019;
5. U.S. Citizen or permanent resident

The scholarship award is contingent upon students 1) continuing in Electrical Engineering or Mechanical and Aerospace Engineering and meeting academic requirements; and 2) completing a paid internship at Cobham Mission Systems in Orchard Park (<http://www.cobham.com/mission-systems/locations/orchard-park/>) during the summer (mid-May through August) between Junior and Senior year. The successful completion of the internship does not guarantee or create an obligation that will result in employment with the Company. Awardee is responsible for finding their own housing during the internship period.

**Name:** \_\_\_\_\_  
Last name, First name Middle initial

**Address:** \_\_\_\_\_  
Street City State ZIP

**Telephone:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Major Academic Concentration:** \_\_\_\_\_

**Hours/Credits Completed:** \_\_\_\_\_

**Overall G.P.A.:** \_\_\_\_\_

**Anticipated Graduation Date (list Month Year):** \_\_\_\_\_

**SUBMISSION INSTRUCTIONS**

Please include the following as part of your application packet. Applications that do not meet these requirements will not be considered.

1. This application form
2. Resume
3. Unofficial copy of your transcript
4. Essay (Approx. 250 words) describing yourself and your qualifications for this scholarship and why you deserve to be considered for it and the paid internship. **Please include any extracurricular activities and leadership positions you've had in this essay as applicable.**

All applications must be submitted via UB Bullseye at: <https://buffalo.joinhandshake.com/jobs/1182236> by **5PM on Monday, January 15<sup>th</sup>, 2018**. Applications will be reviewed by Cobham and top candidates will be invited for an interview.

## **COBHAM'S SUMMER PAID INTERN JOB DESCRIPTION:**

### **SUMMARY OF DUTIES: (ATTACH JOB DESCRIPTION TO REQUISITION)**

**UNDER SUPERVISION OF AN ENGINEERING MANAGER, THE DESIGN ENGINEERING INTERN WILL ASSIST IN PRODUCTION FLOOR SUPPORT AS WELL AS PARTICIPATE IN THE DEVELOPMENT OF NEW PRODUCTS. MENTORING WILL BE A CRITICAL PART OF THIS POSITION AS THE INTERN LEARNS TO APPLY THE THEORY LEARNED AT SCHOOL TO REAL WORLD PROBLEMS. THE GOAL IS TO DEVELOP THE INTERN TO WHERE THEY POTENTIALLY WOULD BE ELIGIBLE FOR A FULL TIME POSITION UPON GRADUATION. FOR MORE INFORMATION ON COBHAM, PLEASE VISIT THEIR WEB SITE AT [WWW.COBHAM.COM](http://WWW.COBHAM.COM)**

### **REQUIREMENTS:**

**Education:** Candidate must be currently pursuing a Bachelor of Science degree in Mechanical, Electrical or Aerospace Engineering. Candidates currently in their junior year are preferred.

**Specific Skills:** CAD/ Solid Modeling and/or MATLAB desirable.

**Basic Knowledge:** Knowledge of core engineering theory required (Calculus, Diff Eq., etc.).

**Physical Demands:** Minimal

**It will continue to be the policy of Carleton Technologies Inc. to extend every good faith effort to fulfill its obligations as an equal opportunity employer. Women and minorities are strongly encouraged to apply for available opportunities. Based on the nature of the internship, which requires access to technology, materials, software or hardware controlled by export laws of the US, in order to be eligible for this internship candidates must be a US Citizen or a Permanent resident (Green Card holder).**