

Events & Campus Opportunities

Tuesday, October 16 | 6:30 PM– 7:30 PM | Furnas 206
UB Pilot Talks—State of the Air Force

The UB Pilots Association is holding their second pilot talk series presentation! Students, faculty and staff of all majors are invited to hear Colonel Douglas B. Routt, USAF ret. give his presentation on the State of the Air Force. Come find out if the United States still has the air superiority that it once had and how recent changes are affecting the Air Force.

For more information, see [attached](#)!

Thursday, October 25 | 6:00—9:00 PM | Flix Stadium 10
SEAS Student & Alumni Movie Night featuring *First Man*

Join members of the Engineering and Applied Sciences Alumni Association for a private screening of *First Man*, plus alumni-student networking, and stories and facts about UB's tremendous impact on the exploration and development of space.

This opportunity is open to SEAS students only, and transportation is not provided.

Registration is required [online](#). For more information, see [attached](#).

Educational Opportunities

January 7th to 11th, 2019 | Brookhaven National Laboratory
Mini-Semester @ Brookhaven National Laboratory

This program is designed for undergraduate students in STEM. The objective of this one week program is to offer exposure to modern day science through science and technology exploration. Students spend one week at BNL during the winter break and participate in a lab related research project. Students also interact with Laboratory staff members, attend lectures on current research projects and are guided on tours of the Laboratory facilities to witness scientific projects in progress. Students are expected to participate in a team research experience and present their results at the closing of the college Mini-Semester.

Application deadline is **November 9, 2018**.

The registration site is located [here](#). For more information, see attached [flyer](#).

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ANNOUNCEMENTS

[Internship Opportunities](#)

UB's Career Experience Program has Spring 2019 internship opportunities! For more information, click [here](#).

[Faculty Mentors](#)

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

[Fall 2018 Scholarship Opportunities](#)

SEAS opportunities end **October 16, 2018**. View and apply for scholarships by logging in to the [scholarship portal](#). For more information, see [attached](#).

 **University at Buffalo**
Department of Mechanical
and Aerospace Engineering
School of Engineering and Applied Sciences

mae.buffalo.edu

To post to the weekly bulletin, contact Andrew Fogelsonger
at afogelso@buffalo.edu

State of the Air Force

**By: Colonel Douglas B. Routt
USAF ret**

Colonel Douglas Routt retired from the United States Air Force after an almost 30-year long career. When his career ended, he was the commander of the 136th fighter squadron and the 107th fighter wing located in Niagara Falls, New York. A military pilot that performed 156 combat flying missions during the Vietnam war, 100 of which were in North Vietnam. His career lead him to accumulate over 5,000 hours in airplanes such as F-100 Super Sabre, F-101 Voodoo, F-102 Delta Dagger, F-4 C/D models Phantoms, and F-16 Fighting Falcon. His service awarded the Distinguished Flying Cross and 14 Air medals. He's a licensed flight instructor in single and multi-engine land, single engine sea, instruments and airline transport rating. His civilian work experience includes working as an aeronautical engineer on targeting pods for Phantoms at Bell Aerospace, he was also a physics teacher at Clarence and Nichols High School.



Colonel Routt, will be giving a presentation on the State of the Air Force. Times are changing for United State Air Force, in recent years there has been a drastic decrease in the number of airplanes and squadrons yet the Air Force is still being held to the same mission readiness levels. Want to know how these new changes are affecting the United States Air Force? Come find out if the United State still has the air superiority that it once had and how these recent changes are affecting the Air Force.

All are welcome join the UBPA at the second ever pilot talk series to hear Colonel Douglas Routt give this miraculous presentation on the State of the Air Force. This free presentation will be held on:

Tuesday October 16th 2018 from 6:30-7:30 pm in Furnas 206



FIRST MAN MOVIE MINGLE

SEAS student price: **\$5** for ticket,
pop, and popcorn*

UB SEAS Students ONLY

MUST PROVIDE YOUR OWN RIDE

THURSDAY, OCTOBER 25, 2018

6PM – 9PM

FLIX STADIUM 10, LANCASTER, NY



REGISTRATION REQUIRED

Register online at
engineering.buffalo.edu/firstman

Private screening of First Man exclusively for UB School of Engineering and Applied Sciences (SEAS) alumni and students!

The evening will include alumni and student networking and stories and facts about UB's tremendous impact on the exploration and development of space.

**Sponsored by the UB Engineering & Applied Sciences
Alumni Association Professionalism Committee*



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Managed by Brookhaven Science Associates
for the U.S. Department of Energy

www.bnl.gov/education

October 3, 2018

Winter College Mini-Semester Program Announcement

To: Administrators/Professors/Science Department Chairs

Subject: 2019 Winter Mini-Semester

Brookhaven National Laboratory (BNL), Office of Educational Programs (OEP) seeks applicants for the Workforce Development for Teachers and Scientists (WDTs) Mini-Semester Program. Selected students from college programs will be invited to participate in a five-day program developed to introduce participants to BNL's science. The 2019 College Mini-Semester program will be held **January 07 - 11, 2019**. Participation in the course is limited to 20 students.

Program:

The program will be conducted by BNL researchers and will operate from 8:30 a.m. - 6:00 p.m. for five days. It will expose students to the wide range of research projects conducted at BNL, help them to understand different pathways to scientific careers, and develop networking opportunities with the BNL scientific community and administrators. The program format includes orientation, classroom instruction, a communication workshop, tours of research facilities, BNL based literature research assignments, reverse interviews with scientists and engineers, group oral presentations, scientific lectures and safety overviews. First-hand reinforcement of concepts learned will be supported and enhanced by BNL researchers and technical staff.

Eligibility:

This program is designed for underrepresented minorities in STEM. As per the Department of Energy, underrepresented minorities include women, Hispanics, African Americans, and American Indians (<http://energy.gov/articles/introducing-minorities-energy-initiative>). **Applicants must be U.S. citizens or permanent residents** and enrolled as part of a program at their school. Students will reside at BNL and **must be covered by their health insurance**. Students must be majoring in STEM disciplines and have demonstrated strong abilities.

Housing, Food and Transportation:

BNL will make housing and travel reservations for accepted candidates. Only lunch will be provided; other meals will be the responsibility of the selected student.

Application Procedure:

1. The student should apply online under the Mini-Semester Program
<https://www.bnl.gov/education/program.asp?q=117>
2. The student must upload their unofficial transcripts.
3. The student will select faculty to recommend them via the application. Selected faculty will receive an email for an online recommendation.

Application Deadline: On or Before November 9, 2018

Student Notification By: November 16, 2018

College/University Responsibility:

We solicit your assistance in recommending your top students for the program. In order to help insure a smooth-flowing application and selection process, we are hopeful that you will assist the recommended students meet necessary deadlines and requirements.

DOE Internship Opportunities:

We are also proud to host internship opportunities for undergraduate students in our Science Undergraduate Laboratory Internship (SULI) and the Community College Internship. Both of these offer a longer-term research internship, 10 weeks in summer and 16 weeks in fall and spring. These opportunities are open to all students, but we hope that you will encourage your students to apply.

For SULI please visit <http://science.energy.gov/wdts/suli>

For CCI visit <http://science.energy.gov/wdts/cci/>

Note that the 2019 summer internship deadline is on January 12, 2019

Please feel free to contact me if you have any questions regarding the program.

Thank you for your cooperation and help.

SUBJECT: Invitation to apply for SEAS scholarships

Dear NAME:

This fall, the School of Engineering and Applied Sciences and the Department of xxxxxxxxxx is utilizing UB's new scholarship portal to simplify the process of applying for scholarships.

You may sign into the portal at <https://buffalo.academicworks.com> with your UBIT name and password. Some tips are offered here to help expedite your application, and the site offers detailed instructional text wherever you see a lower case "i" icon.

When you log in, click on **My Applications** and start your **General Application** and then complete the engineering specific **SEAS Conditional Application**. Depending on how many scholarship opportunities you qualify for and the extent of your narrative responses, the application process may take as little as 15-20 minutes. However, be thorough in your responses to give yourself the best possible chance of being considered for a scholarship.

You may find **Save and Keep Editing** is the best option at first. Please note that once you click **Finish and Submit** and a scholarship deadline passes, you will not be able to make any edits.

Use the **Opportunities** tab to view **Recommended Opportunities** matched to your unique qualifications or **All Opportunities** for the searchable details on all the pilot funds. Some scholarships require **Supplemental Questions**, but we will be working to also automatically consider you for other opportunities, based on your application responses and HUB credentials.

If you indicate that you are seeking funding to study abroad, you will also be guided to an additional **Study Abroad Conditional Application**. If you only wish to apply for a study abroad scholarship, you do not need to complete the **SEAS Conditional Application**.

Sign into the portal as often as you wish to check on your unique and dynamic **Applicant Record, Status** and **Needs Attention** items.

Offices across campus will be adding opportunities constantly, with the goal of all scholarships established by UB alumni and friends participating by fall 2019. Please contact ubscholarships@buffalo.edu with any feedback or questions.

Cordially,

Dear engineering and applied sciences students,

Scholarship applications for the Fall 2018 semester are now open!

Students may view and apply for scholarships by logging in to the scholarship portal, buffalo.academicworks.com.

The scholarship portal contains general scholarship opportunities for UB students across campus, as well as specific opportunities based upon your major, club affiliation, internship experience, research interests and other criteria. For example, some scholarships at the school level:

- **Daniel M. Benenson Memorial Scholarship** | for SEAS students who have completed an internship in the last year
- **Matthew Grappone Scholarship Fund** | for SEAS students that work on campus for CIT
- **Felix Smist Scholarship Fund** | for undergrad SEAS students working to support dependent family while pursuing their degree
- **Barbara and Jack Davis Engineering Education Endowment Fund** | for engineering undergrad students from Western New York
- ... and many more!

Some scholarships require you to answer questions specific to that award, while others may automatically draw you into the candidate pool based on your general or conditional application responses. Read the qualifications for each scholarship before applying and only apply for those for which you are eligible.

To maximize the scholarship opportunities for which you are eligible, be sure to complete both the **general application and the **conditional application** carefully and thoroughly. Your responses may qualify you for additional scholarships!**

To learn more about how to use [the scholarship portal](#), please view the attached memo. Application deadlines vary per scholarship, but SEAS opportunities for this Fall end **October 16, 2018**.

Lastly, if you are currently receiving financial aid, be sure to explore the impact that receiving any additional funds may have on your current funding before you apply for scholarships.

If you have any questions or concerns please contact Chelsea Montroi at cmontroi@buffalo.edu or Dr. Christine Human at chuman@buffalo.edu.