# Galipatian Station

**WHILE YOU PEE IN LEE**

**Friday Nov. 2nd-Friday Nov. 9th**

**COMPILER**
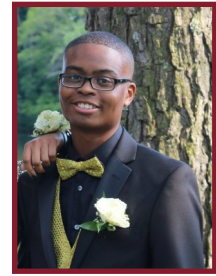
**Keneil Gordon**
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## VT Libraries Resources

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Hello fellow Hokies! By this point, I'm sure most if not all of you have visited Newman library and seen its multiple floors of available study space. What some of you may be unaware of is the plethora of other resources that Virginia Tech libraries offer. To start, let's talk about Newman's studios:

### 3D Design Studio

This studio allows you to 3D print any objects you have made and stored in a .STL or .OBJ file, as long as it will fit in the printer.

### Media Design Studio

The media design studio allows you to create and develop audio and/or video recordings, using professional grade equipment.

### Virtual Environments Studio

This studio allows you to experience virtual reality and provides all the necessary hardware and software.

### Fusion Studio

Fusion studio gives you access to a knowledgeable staff and a space to collaborate with other students on a project you've been itching to do. You must submit a proposal and be approved to use the space.

### Data Visualization Studio (DVS)

DVS helps you make data more human friendly, by way of graphs, charts, and out-of-the-box visuals.

### Data Transformation Lab (DTL)

DTL can help you organize and manage your large and unwieldy cache of data; it can be especially useful for anyone doing research.

### Library Website

You can find research databases such as IEEE Explore, Knovel Library and textbook databases such as Safari Books Online, which allows you access to thousands of textbooks. One of my favorite features of the site is its surprisingly large movie collection. Go to the homepage at *www. lib.vt.edu* and scroll down until you see a search bar, type in a movie and see if they have it.
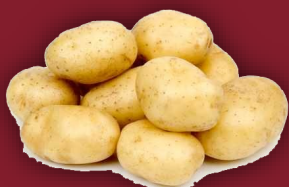
You have 100 lb of potatoes, which are 99 percent water by weight. You let them dehydrate until they're 98 percent water. How much do they weigh now?

# Getting Home For Break

**Ian Murray**
**Construction Engineering &**
**Management**
**Sophomore**

Thanksgiving Break is coming up in a few weeks and most people do not live close to campus. This means it is important to find a way to get home rather soon. For those of you who do not have a car or some means of getting home here are some resources you can use.

### Air Travel

For those of you who live far away, flights may be the best option to get back. When looking for a flight, it is recommended you use sites such as Kayak to compare prices of flights automatically and easily; however, getting to the airport can be a hassle so staying local makes things easier. We have a local airport here in Blacksburg, however, it is unlikely for you to find a flight out of there for a reasonable cost. Another option is the Roanoke airport. This airport has regular flights from major airlines and is a cheaper option then the Blacksburg airport. Another option is to use airports in North Carolina, specifically Raleigh. This is a major airport and is closer than going to Washington DC.

### Land Travel

Many companies provide ways to get home during break times. Home Ride of Virginia which is a bus with stops at Lane Stadium, Northern Virginia, Harrisonburg, Charlottesville, Richmond, and the Tidewater Area. The Amtrak is also a great option. The closest station is in downtown Roanoke and has multiple trains every day. The best option to get to Roanoke is the Smart Way bus which is a commuter bus that cost $4. The Megabus and Greyhound buses are services used by many which stop in most major cities across the country. They mostly depart out of Roanoke. What many people do is find rides within the Virginia Tech community. One of the most useful pages for this is the Virginia Tech Carpool Facebook page. People will often be willing to take you home if you are from the same area and this is usually for the price of gas.

**For additional ways to get home look here:**
https://vtnews.vt.edu/articles/2016/11/adm-pt-holidaytransportation.html

# Aerospace Engineering

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**Aerospace Engineering**
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Aerospace Engineering is one of the most popular majors at Virginia Tech, with good reason. If it flies, drifts through space, or otherwise completes its mission without touching the ground, it falls under Aerospace Engineering's purview.

Aerospace Engineering at Virginia Tech is unique in that it allows students to choose any of nine different tracks to concentrate in - including the ability to take tracks focusing on the closely-related Ocean Engineering major, allowing for  larger collaboration with other engineers at Virginia Tech.
These tracks include:
- Aero / hydrodynamics
- Dynamics, control, and estimation
- Energy and the environment
- Naval engineering
- Propulsion
- Space engineering
- Structures and materials
- Vehicle and system design
- Foundational-Covers core areas across both majors

Once you declare your major, you'll hit the ground running. You'll cover things like lift and aircraft performance fairly early in your first semester before exploring some basic orbital mechanics and spacecraft propulsion. It can be difficult at times - what engineering major isn't - but it's fascinating stuff, and it's often fun!



An aerial view from eSPAARO—electric Small Platform for Autonomous Aerial Research Operations—an existing unmanned aircraft system redesigned by Virginia Tech students.