

Why BSE?



Ben Smith
Biological Systems Engineering
Sophomore

Although BSE is a smaller Engineering major-- with graduating classes of about 70 students-- it's one of the broadest in scope. BSE students may pursue careers in fields such as hydrology, environmental engineering, bioprocessing, biomedical engineering, food processing, and medicine.

BSE has a unique core-coursework. Since its focus is biological systems (shocking, I know), we take principles of biology 1 & 2, general microbiology, and usually organic chemistry. Now don't get too worried, you'll still get to have the "engineering experience" with classes like statics, dynamics, fluids, and thermo.

Beyond coursework, BSE is a great community of people. It's small size makes it easy to bond with your classmates and professors. Plus, almost everyone in the major is looking to make a difference in the world, making it a great group of people to be around.

Not sure about BSE? I'll try to clear up some differences between it and other similar engineering majors.

BSE vs Civil for environmental engineering:

BSE focuses on watershed hydrology, pollution tracking, and stream and wetland systems. Civil focuses on wastewater and pollution management and groundwater resources.

BSE vs Chemical Engineering:

BSE is focuses on bioprocessing (the use of organisms in bioreactors to manufacture proteins and organic molecules) while chemical engineering focuses on reactors using traditional chemistry.

BSE vs ESM/Mechanical Engineering for biomedical engineering:

Biomedical engineering is offered as a minor, so it can work with any of the three. That being said, BSE has a specific concentration area related to biomedical engineering, making it one of the best majors to pursue this through.

Still want to know more? Don't hesitate to email me any questions at b3nsmith@vt.edu. I'm always happy talk about BSE!

Spyro Reignited Trilogy



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Spyro fans, hold onto your butts, because on April 5th of this year, Activision announced that the original Spyro trilogy is getting remastered in celebration of the 20th anniversary of Spyro's original release! The games included are *Spyro the Dragon*, *Ripto's Rage*, and *Year of the Dragon*, originally developed by Insomniac Games. Similar in scope to the wildly successful *Crash Bandicoot N.Sane Trilogy* released last year, the *Spyro Reignited Trilogy* boasts a complete graphics overhaul and updated gameplay controls (a blessing if we're all being honest

with ourselves) that stay as true as possible to the original gameplay feel. Even better, you get all three remastered games for a preorder price of \$39.99! You can't even get the original trilogy for that cheap (trust me, I've looked). The game will be releasing on PS4 and Xbox One simultaneously, and, assuming it follows in the footsteps of *Crash Bandicoot* (releasing on PC and Nintendo Switch this summer), will come to more platforms at a later date, as well. The game is releasing on September 21, and is available for preorder on PS4 and Xbox One at Gamestop and Amazon, and also on digital PS4 preorder on Amazon.



New to Streaming



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Online streaming services are unveiling new shows in order to finish April strong! Here are a few of them:

New to Netflix

Dude, premiering April 20: This 1 hour 37 minutes long movie follows four best friends during their final two weeks of high school.

Psychokinesis, premiering April 25: In this 1 hour and 41 minutes movie, a man possessed with supernatural powers sets out to help his daughter even though they are no longer close

The Man Who Knew Infinity, premiering April 27: At 1 hour and 48 minutes, this movie is set prior to World War I. It tells the story of how a Cambridge don helps an Indian math prodigy to not only understand academia but also racial prejudices.

The Week Of, premiering, April 27: This upcoming, comedic movie is about two fathers who have disputes about their children's wedding. The movie stars Chris Rock and Adam Sandler so it should be a feel-good movie.

New to Hulu

Z for Zachariah, premiering April 20: This 1 hour 35 minutes 2015 sci-fi drama film is set after the nuclear apocalypse tells the story of three people and their fight for survival.

Into the Night: Portraits of Life and Death, premiering on April 26: In this two hour documentary, people from all walks of life discuss their own mortality and the prospect of death.

New to Amazon Prime

The Vanishing of Sidney Hall, premiering April 25: This 1 hour 59 minutes movie is about Sidney Hall who disappears after finding love and success.

Whether by yourself or with friends, have a good time watching all these new movies!

Survival Phrases



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With summer vacation on the horizon, travel plans might be in the works for you and your family.

Traveling can be an intimidating experience especially if English isn't the primary language of your destination. English, French, Mandarin Chinese, Spanish, German, and Italian are the most taught languages in the world. Over 1.5 billion people study these languages, which provides a basis for communication around the world. Additionally, communicating with your peers from outside the country can sometimes be challenging due to language barriers. And even if neither of these problems are of concern to you, it won't kill you to learn something new while you're in the bathroom for a couple minutes...

Here are a few important phrases in 5 of the world's most common languages.

Hello

- **Spanish** - Hola
- **Mandarin** - Nǐ hǎo
- **French** - Bonjour
- **German** - Hallo
- **Italian** - Ciao

I'm sorry

- **Spanish** - Lo siento
- **Mandarin** - Duì bu qǐ
- **French** - Je suis désolé
- **German** - Es tut mir leid
- **Italian** - Mi dispiace

Thank You

- **Spanish** - Gracias
- **Mandarin** - Xiè xie
- **French** - Merci
- **German** - Danke
- **Italian** - Grazie

Engineering

- **Spanish** - Ingeniería
- **Mandarin** - Gōngchéng
- **French** - Ingénierie
- **German** - Ingenieurwesen
- **Italian** - Ingegneria

Goodbye

- **Spanish** - Adiós
- **Mandarin** - Zàijiàn
- **French** - Adieu
- **German** - Auf Wiedersehen
- **Italian** - Arrivederci

