

# IMSE Student of the Month

Addie Kreikemeier

Graduating December 2019

Hometown: Belgrade, MT

What are your hobbies?

Skiing, fishing, paddle boarding, dirt-biking, hiking, and enjoying Montana's natural hot springs!

What do you hope to do with IMSE after you graduate?

I have accepted a position with MilTech (a program of MSU) working with the medical group to help accelerate the transition of technology to the U.S. warfighter and assist with medical program assessments. I also hope to begin a master's program at MSU by next fall.



Why did you initially choose IMSE?

I have long held an interest in and passion for healthcare. After obtaining a degree in Organismal Biology and working in the healthcare field, both in administrative and patient care roles, I was frustrated with the inefficiencies I witnessed in the

healthcare system. During this time, I also learned that my interests were more in problem solving and mathematics than in direct patient care. When I learned about the IMSE program at MSU and the emerging role of Industrial Engineers in healthcare, it seemed like the perfect fit.

What has been your favorite IMSE class so far? Why?

My favorite IMSE class has been Design of Experiments (DOE), with Production and Engineering Management a close second. I enjoyed DOE because I like manipulating data and I found it interesting to learn just some of the many techniques used to analyze data and make conclusions about the relationships between variables. Both DOE and Production and Engineering Management taught me how you can use mathematical relationships and statistical tools to understand a system and make changes, knowing relatively certain the impact of those changes on the system.

What advice would you give to freshman coming into the IMSE department?

I would urge anyone coming into the IMSE department to take advantage of all the resources offered (the math learning center, physics learning center, and engineering mechanics help center), talk to the T.A. and/or professor when they have questions, and most importantly take the time to participate in professional development activities hosted by the department and the College of Engineering (such as resume workshops, networking sessions, etc.).

What has been your favorite application, story, or joke about IE?

I like the joke about the water glass, though it's not specific to IE. The optimist will say that the glass is half-full. The pessimist will say that the glass is half-empty. The engineer will say that the glass is 2 times bigger than it needs to be.

If you had one million dollars what would you do with it?

If I had one million dollars, I would buy a plot of land either near the ocean or the mountains to enjoy with my friends and family.