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The Maine Word About College

Questions about college from young Maine students, answered by old Maine students.

Today's writers

Liza White, sophomore at the University of Maine, studying bioengineering, from Rumford, ME

Irene Neal, sophomore at UMFK, studying nursing, from Brewer, ME

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Will Hyland, senior at Colby-Sawyer College, studying sports management, from Searsmont, ME

Offered by Maine College Circle and the Mitchell Institute to great young students throughout Maine.

Q. What are some good colleges for engineering? What can you do as an engineer? What do I have to study and for how long? How can I start preparing now?

A. Some good engineering schools include MIT, University of Maine-Orono and Stanford University. As an engineer you can do a lot of interesting things, anywhere from designing medical equipment to building bridges. Basically, engineers build, design or maintain something. Most engineers study their field for a minimum of 4 years for a bachelor's degree in their field and then they can further their education if they want. The most important thing to start preparing now is get involved in your school. If you are able to learn the time management skills of being active and doing your schoolwork, college will be a lot easier and a lot less stressful. Additionally, take as many math and science courses as you can, especially if you can take at least Calculus I before you graduate from high school.

—Liza

Different engineering majors (for example electrical engineering, mechanical engineering, or chemical engineering) study a variety of courses, but all of the majors place a strong emphasis on developing a solid mathematical foundation. For many engineering majors, this means taking





Q. What about a sports major?

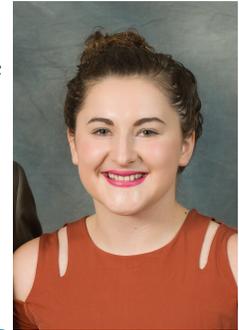
A. Almost every university or college in New England has some kind of sports-related academic program, whether it be athletic training, kinesiology, exercise science, sport management, personal training, or sports studies. Most degrees can be completed in four years. However, students who major in something like exercise science may go on to complete a graduate degree in something like physical therapy or even medical school. Those who major in sport management may end up getting an MBA or an M. Ed. someday too depending on their career path. Begin thinking of future careers that interest you and see what kinds of people are in those careers now and what they did to get there.



—Will

through at least Calculus III, and sometimes beyond with courses such as Linear Algebra. All engineering majors also require students to take some physics courses. Beyond the math and physics foundation, the courses that students take for each engineering major begin to differ. For example, Biomedical Engineering students take lots of chemistry courses, whereas Mechanical Engineering students take barely any chemistry courses at all. To be an entry-level engineer, a Bachelor's degree is required, which typically takes about 4 years to earn. Graduate degrees can range from 1-4 years of additional schooling, depending on the degree type that is being pursued.

—Irene



Q. What about a space ranger?

A. Many colleges and universities can prepare you to be a space ranger! This means that you can go wherever you'd like! There are schools across the United States, from the California Institute of Technology to our very own University of Maine! To be a professional space ranger, you need three major qualifications. First, you generally need a Bachelor's degree in mathematics, engineering, or another science! This will only take four years of training at most colleges. Second, you need to earn your wings! Most space rangers began their days as fighter and jet pilots - plenty of time spent in planes is a requirement. Finally, you need to have bravery in spades! If you want to start preparing: congratulations! By asking these questions, you've already begun! Stay interested. Read books on space! Pay attention to your teachers, specifically in math and science. Ask your parents if you can watch programs on space! Most importantly, have fun with it! The great frontier awaits.

—Connor



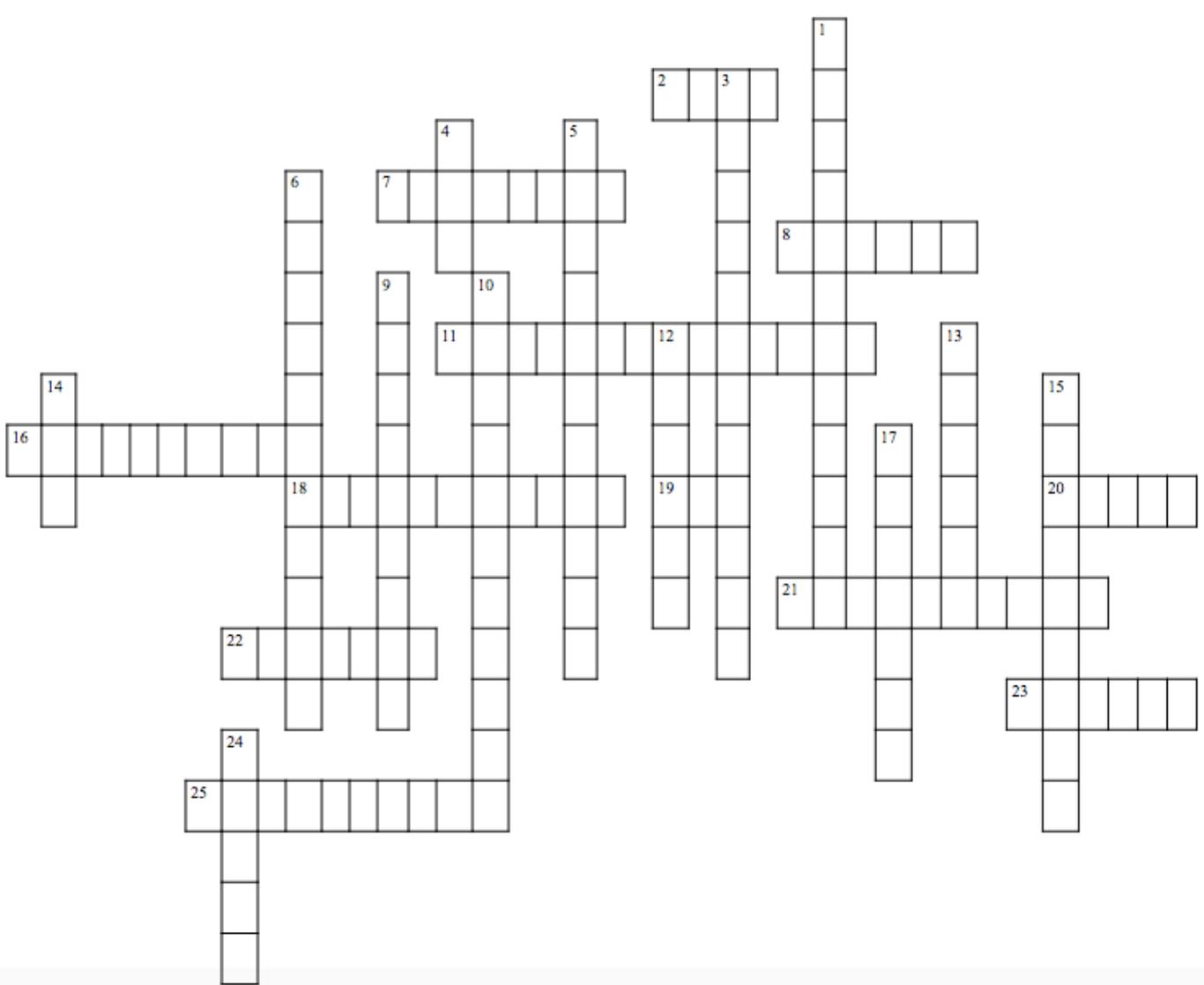
CKB CHALLENGE #5

Every month we will provide a crossword & challenge question to help you start prepping for the College Knowledge Bowl in the spring!

We all have goals—things we want to do in the future. This month’s challenge is meant to get you to think about pursuing your goals.

Pretend you are applying for your dream job, whatever it may be. Create a **resumé**. A resumé is a page that bosses look at when they are deciding if they want to hire someone. Your resumé should list your experiences and qualities that make you qualified for the job. Also include a short description of *why* you want that job.

Feel free to be creative with the resumé! You can decorate it, and include anything that you think is relevant to your dream job. You’d be surprised at how much you already have going for you.



Across

- 2. Gambier, OH college with a strong writing program
- 7. The study of the weather
- 8. Husson University mascot
- 11. Northernmost community college in Maine
- 16. Town of UMF
- 18. Major for future chefs
- 19. College of the US Army
- 20. Degree that social workers receive at graduation
- 21. State of the Longhorns
- 22. Major college admissions test other than the SAT
- 23. College major in the study of earthquakes
- 25. Good time to talk to a professor

Down

- 1. Mascot of the University of Oregon
- 3. What majors in forensic science will solve

- 4. Home state of Champlain College
- 5. The branch of science that studies the sense of hearing
- 6. Where Governor Janet Mills lived for her undergraduate education
- 9. Where Tom Brady studied before becoming a Patriot
- 10. Good major for someone who likes reptiles and amphibians
- 12. Financial aid application distributed by College Board
- 13. City where University of Pennsylvania is located
- 14. _____ Community College in Fairfield, Maine
- 15. Popular Newport, RI college whose name is "Hail to the Queen" in Latin
- 17. Country of the University of Copenhagen
- 24. Advanced business degree