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COOL CAREERS

ADVANCED MANUFACTURING TECHNICIAN



In this episode, Cool Careers Correspondent Wesley travels to Kansas City and meets Joe, an industrial mechanic at National Beef. Joe explains how the machines he works with are like instruments in an orchestra working together in harmony: If one part is off, it disrupts the whole operation. Wesley gets hands-on experience with robots, and we learn what it's like to start a career in this high-demand field!

Advanced manufacturing technicians set up, test and adjust plant machinery and equipment, including robots and 3D printers.

Typical Education Required For This Job: HIGH SCHOOL DIPLOMA, ON-THE-JOB TRAINING OR ASSOCIATE DEGREE

Episode Takeaways

Please respond to these questions using complete sentences.

1. True or false: Most students graduate from the FAME program debt-free and with a job lined up. *Circle one.*



X
FALSE

2. What classes does Joe say students should consider taking to prepare for this job?

Electronics and engines

3. On a scale of 1 to 10, with 1 meaning “no way” and 10 meaning “this seems like a great job for me someday,” how interested are you in this career path? *Circle a number.*

1

2

3

4

5

6

7

8

9

10

Definitely not

Maybe

I'm super interested

4. Why did you circle the number you did on question 3?

5. Find the Industrial Machinery Mechanic* page on **HirePaths.com**. What's the national median salary in Kansas for this job? **Advanced manufacturing technicians and industrial machinery mechanics are different titles for jobs with similar responsibilities*

\$61,800



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LAND SURVEYOR



In this episode, Cool Careers Correspondent Lily explores a field for anyone who loves the outdoors, technology or the idea of owning their own business: land surveying. She travels to Basehor in eastern Kansas and meets Andrea, the owner of Atlas Land Consulting. Andrea tells us what this very rewarding career entails and how to get started. Plus, Lily gives us her own experience with fun tools.

Land surveyors take exact measurements and determine property boundaries. They provide information like the shape, location, elevation or dimension of land for engineering, mapmaking, mining, land evaluation, construction and other purposes.

Typical Education Required For This Job: ASSOCIATE DEGREE OR PROFESSIONAL CERTIFICATE

Episode Takeaways

Please respond to these questions using complete sentences.

1. What's the name of the machine Andrea uses to measure angles and distances between two points?

Total station

2. True or false: Andrea says the hobby of geocaching could help prepare you for this career. *Circle one.*



X
FALSE

3. On a scale of 1 to 10, with 1 meaning "no way" and 10 meaning "this seems like a great job for me someday," how interested are you in this career path? *Circle a number.*

1

2

3

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10

Definitely not

Maybe

I'm super interested

4. Why did you circle the number you did on question 3?

5. Find the Land Surveyor page on **HirePaths.com**. What's the national median salary for this job?

\$63,080



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CIVIL ENGINEER

HIGH-DEMAND
Job in Kansas



In this episode, Cool Careers Correspondent Owen travels to Olsson in Overland Park. He meets Erin, who tells us all about being a civil engineer. We discover the kinds of projects civil engineers work on and how they keep everyone on our roads safe. Plus, Owen uses what he learned from his final career video game!

Civil engineers design, build and maintain infrastructure projects like roads, airports and water treatment plants.

ANSWER KEY

Typical Education Required For This Job: BACHELOR'S DEGREE OR PROFESSIONAL DEGREE

Episode Takeaways

Please respond to these questions using complete sentences.

1. Name two kinds of engineers (other than civil).

Mechanical, electrical, software, firmware, aerospace, chemical, environmental, nuclear, architectural,
biomedical

2. True or false: Erin says solving puzzles and asking lots of questions are good ways to prepare for a career in engineering. *Circle one.*



X
FALSE

3. On a scale of 1 to 10, with 1 meaning "no way" and 10 meaning "this seems like a great job for me someday," how interested are you in this career path? *Circle a number.*

1

2

3

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5

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7

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9

10

Definitely not

Maybe

I'm super interested

4. Why did you circle the number you did on question 3?

5. Find the Civil Engineering page on **HirePaths.com**. What's the median salary in Kansas for this job?

\$74,590