

# WHAT CAN YOU DO WITH YOUR DEGREE?

## ELECTRICAL ENGINEERING



Your career is a journey and there's more than one "right" path. This resource includes some of the ways that you can explore your career journey—find even more at [uvic.ca/coopandcareer/degree](http://uvic.ca/coopandcareer/degree).

### EXPLORE POTENTIAL CAREERS

Your education, experience, knowledge, skills and attributes can help you excel in many directions. Here are a few sample jobs and fields of work that relate to your program:

<ul style="list-style-type: none"> <li>• Hardware engineer</li> <li>• Design engineer</li> <li>• Technologist support staff</li> <li>• Product manager</li> <li>• Circuit designer</li> </ul>	<ul style="list-style-type: none"> <li>• Operations manager</li> <li>• Electrical engineer</li> <li>• Wireless engineer</li> <li>• Research engineer</li> <li>• Program manager</li> </ul>	<ul style="list-style-type: none"> <li>• Intelligence developer</li> <li>• Systems designer</li> <li>• Design validator</li> <li>• Cyber security officer</li> <li>• Environmental analyst</li> </ul>
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*Some of these roles may require post-graduate studies or training.*

### What steps can you take to find a career that fits?

- + Explore how your interests align with career paths during an appointment with a career educator at [uvic.ca/coopandcareer/advice](http://uvic.ca/coopandcareer/advice)
- + Look for career ideas by searching for job postings with your program name at [learninginmotion.uvic.ca](http://learninginmotion.uvic.ca)
- + Take part in the Horizons program to generate career ideas and decide on your next steps at [uvic.ca/coopandcareer/careerprograms](http://uvic.ca/coopandcareer/careerprograms)

### GAIN EXPERIENCE AND MAKE CONNECTIONS

Gaining experience in the community and workplace can help you gain insight and build your network. We've put together a list of some of the hands-on learning opportunities available in your program area.

Opportunities <u>within</u> your academic program	Opportunities <u>outside</u> your academic program
<ul style="list-style-type: none"> <li>• <b>Co-op Program:</b> Alternate academic study with paid work terms to gain workplace experience</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Work Study position</b> (<a href="http://uvic.ca/work-study">uvic.ca/work-study</a>)</li> </ul>
<ul style="list-style-type: none"> <li>• Learn about a wide range of <b>hands-on learning opportunities</b>, including Community Service Learning courses, course-based experiences and more at <a href="http://uvic.ca/coopandcareer/hands-on">uvic.ca/coopandcareer/hands-on</a></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Volunteering</b> is a great way to gain work experience, give back to your community and build skills to boost your résumé—learn more at <a href="http://uvic.ca/coopandcareer/volunteer">uvic.ca/coopandcareer/volunteer</a></li> </ul>

### What networks can you connect to?

Your friends, family, professors and colleagues are all part of your network—ask them how they've navigated their career paths. You can also connect with professional associations related to your field—here are just a few:

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| <ul style="list-style-type: none"> <li>• Canadian Society of Professional Engineers (<a href="http://cspe.ca">cspe.ca</a>)</li> <li>• Engineering Institute of Canada (<a href="http://eic-ici.ca">eic-ici.ca</a>)</li> </ul> | <ul style="list-style-type: none"> <li>• Institute of Electrical and Electronics Engineers (<a href="http://ieee.org">ieee.org</a>)</li> </ul> |
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**TIP:** Learn all about effective networking (plus other work search resources) at [uvic.ca/coopandcareer/worksearch](http://uvic.ca/coopandcareer/worksearch).

## BUILD YOUR SKILLS

Every experience helps you develop competencies—knowledge, skills and attributes that are valuable to employers. We can help you understand and describe your competencies, which comes in handy when you're searching for work.

### What competencies do all employers look for?

Here are the 10 core competencies that are valuable in every workplace (these align with UVic's Learning Outcomes):

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| <ul style="list-style-type: none"> <li>• Personal management</li> <li>• Communication</li> <li>• Managing information</li> <li>• Research and analysis</li> <li>• Project and task management</li> </ul> | <ul style="list-style-type: none"> <li>• Teamwork</li> <li>• Commitment to quality</li> <li>• Professional behaviour</li> <li>• Social responsibility</li> <li>• Continuous learning</li> </ul> |
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### What competencies will you develop through your program?

Here are some of the competencies specific to your academic program (full list at [uvic.ca/coopandcareer/degree](http://uvic.ca/coopandcareer/degree)).

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| <ul style="list-style-type: none"> <li>• Demonstrate knowledge of power and energy system fundamentals and their integration within the modern electrical grid and community</li> <li>• Understand how control systems function and how they're used</li> </ul> | <ul style="list-style-type: none"> <li>• Demonstrate knowledge of the architecture of computer systems and the interrelationship between the OS and the architecture</li> <li>• Understand computer networking principles and engineering</li> </ul> |
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You can also develop intercultural competencies and professional competencies.

**TIP:** Visit [uvic.ca/coopandcareer/buildskills](http://uvic.ca/coopandcareer/buildskills) to learn how to assess and describe your competencies.

## LOOKING FOR MORE SUPPORT?

Job postings: [uvic.ca/coopandcareer/career](http://uvic.ca/coopandcareer/career)

Events and more: [learninginmotion.uvic.ca](http://learninginmotion.uvic.ca)



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