

Job Posting:173217 - Position: W26 CBU- Applications Engineer Co-op 173217

Co-op Work Term Posted:	2026 - Winter
App Deadline	09/19/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	09/12/2025 03:53 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Microchip Technology Inc.
Address Line 1	8555 Baxter Pl
Address Line 2	105
City	Burnaby
Postal Code / Zip Code	V5A 4V7
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
 Job Title 	W26 CBU- Applications Engineer Co-op 173217
Position Type	Co-op Position
Job Location	Burnaby, BC
Country	Canada
Duration	4 or 8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Salary Range \$	22.75-34.5
Job Description	

Microchip's **Communication Business Unit (CBU) Applications** Engineering team focuses on helping our key customers understand and integrate Microchip's suite of Optical Transport, Data Center Interconnect, Wireless Infrastructure, Multi-core Processor and Automotive Networking devices into their products.

Responsibilities:

Our team is looking for a high energy candidate with excellent problem solving and communication skills interested in an Applications Engineering role that focuses on highspeed networking and multi-core processing.

Applications Engineers work directly with customer design teams and maintain this technical relationship throughout the customer development cycle. They also work closely with Microchip Sales and Marketing teams to develop technical architecture proposals that meet demanding customer requirements. Applications Engineers also author detailed system design guidelines, design comprehensive reference hardware platforms for customer evaluation, write device driver software and assist customers with detailed system troubleshooting. The role is challenging and encourages learning in a wide variety of engineering disciplines, from chip-to-chip high-speed data communications to programing/scripting in C++ and Python, in depth communication protocols and many others.

As part of the Applications Engineering team, you will:

- Be able to work independently, yet in a team environment

- Work closely with cross-functional teams to support customers
- Gain in depth exposure to networking protocols such as Ethernet, multi-core processor architecture, hardware and/or software design
- Developing testing and troubleshooting skills associated with python scripts, embedded Linux operating systems and various lab equipment.

Job Requirements

Required Qualifications:

- Working towards a Bachelor's Degree in Electrical Engineering, Computer Engineering, Computer Science, or equivalent
- Excellent verbal and written communications and strong interpersonal skills
- Programming experience in C/C++ or scripting (Python, Perl, etc)
- Strong problem solving and hands-on debugging skills
- Familiarity with Linux or other real time operating systems

Desired Qualifications:

- Experience with board-level debug & bring-up
- Experience with hardware design
- Familiarity with networking protocols (OTN, Ethernet, TCP/IP, HDLC, POS, SONET, etc.)
- Familiarity with multi-core processors (RISC-V, ARM, etc.)

Citizenship Requirement N/A

Position Start Date January 05, 2026 12:00 AM

Position End Date April 24, 2026 12:00 AM

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op

Cover Letter Required? Yes

Address Cover Letter to Korby Mraze

Special Application Instructions

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.