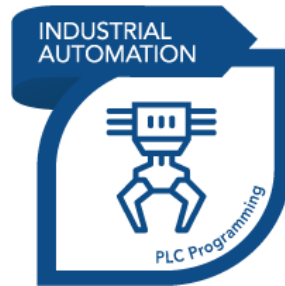


## Industrial Automation Module 2



Badge Awarded to

# Jesse Grant

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Building on the knowledge of industrial inputs and outputs gained in Automation 1, students examine functional design, hardware configuration, programming, and application of Programmable Logic Controllers (PLC). The design and programming of PLC control circuits in hands-on labs using examples from industrial applications are emphasized. Students use PLC programming software to create their programs, then test and verify the control designs.

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Issuer  **Georgian College**  
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At Georgian, we work with industry and community partners to offer relevant, cutting-edge curriculum, quality work placements and co-op experiences with top employers.

Our students graduate with the skills and the mindset to be innovative thinkers and changemakers who can transform their workplaces and communities.

Our vision is to accelerate success through exceptional teaching and learning, innovation and partnerships.

## Criteria

Upon successful completion of this module, the student has reliably demonstrated the ability to:

1. describe how the PLC controls the automation;
2. create a PLC program that uses different types of timers;
3. create a PLC program that uses multiple counters to track parts;
4. use comparison commands to perform logic decisions in a PLC program;
5. use math commands to perform equations and keep running totals in a PLC program;
6. utilize integers to store and manipulate numeric values in a PLC program; and
7. use Move commands to modify values for timers, counters, and comparisons.

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