AI-Powered Operations Management for Small Business

Certificate of Completion

Contact	604-636-6006
Instructor	Ryan Jin, Founder and Instructor, BEUR Education Canada
Total hours	30 hours: 14 h recorded lessons + 12 h live instructor-led sessions + 4 h assignments and assessment
Duration and schedule	6 weeks, fixed intake. Next intake: January 25 – March 5, 2027
Delivery method	Recorded lessons plus live instructor-led sessions (online)
Class size	Up to 6 participants
Language of instruction	Mandarin Chinese and English
Fee	CAD $2,500 per participant, plus applicable taxes. Includes course materials and the Certificate of Completion.
Assessment	Instructor-graded practical assignment in every module plus a final capstone project
Credential	Certificate of Completion
Intended participants	Owners, managers, supervisors and employees of small businesses in British Columbia, such as restaurants, cafés, bakeries, retail stores and other service businesses. No technical background or prior AI experience is required.

Course description

A practical, 30-hour course that teaches small business owners, managers and staff in British Columbia how to use AI tools safely to run daily operations: analysing sales, managing inventory, planning staff schedules, writing procedures and responding to customers. Every assignment uses the participant's own business data, so each participant finishes the course with tools and documents they can use in their own workplace.

Learning outcomes

By the end of the course, participants will be able to:

1. Write, test and refine prompts for common business tasks, and verify AI output for accuracy before using it.
2. Apply privacy and data-security practices when using AI with business, employee and customer information.

3. Analyse point-of-sale reports with AI to identify best-selling items, slow movers and peak hours, and recommend actions.
4. Build an inventory alert sheet with reorder levels and calculate waste for key items.
5. Create a staff schedule based on customer traffic and calculate labour cost as a percentage of sales.
6. Produce standard operating procedures (SOPs), staff training materials and quiz questions with AI.
7. Develop and present an operations improvement plan for their own business with measurable targets.

Modules, topics and assignments

Module 1: AI Fundamentals and Safe Use

Week 1 · Recorded 2.5 h · Live 1.5 h · Assignment 0.5 h

- What generative AI can and cannot do in a small business
- Writing clear prompts: role, task, context and output format; refining results
- Privacy and data security: what not to share, removing personal information, B.C. privacy obligations
- Checking AI output for errors and invented facts
- Setting simple AI-use rules for your staff

Assignment: Prompt practice for your own business: write and refine 10 prompts for real tasks in your workplace, noting what you changed and how you checked each result.

Module 2: Sales Data Analysis

Week 2 · Recorded 2 h · Live 2 h · Assignment 0.5 h

- Exporting sales reports from your point-of-sale system (CSV or Excel)
- Cleaning data and removing customer information before analysis
- Using AI to find best-selling and slow-moving items, peak days and hours, and average sale
- Turning findings into a one-page summary with charts
- Live workshop: hands-on analysis of your own sales data, with group review of the Module 1 assignment

Assignment: Monthly sales analysis of your own business: a one-page report with your top 10 items, peak hours and three recommended actions.

Module 3: Inventory and Purchasing

Week 3 · Recorded 2 h · Live 2 h · Assignment 0.5 h

- Reorder points and par levels
- Forecasting demand from past sales and seasonal patterns
- Waste and shrinkage analysis
- Supplier order checklists
- Live workshop: building your reorder sheet in class, with group review of the Module 2 assignment

Assignment: Inventory alert sheet: a spreadsheet that flags items below their reorder level, with a waste log for your top 20 items.

Module 4: Staff Scheduling and Labour Cost

Week 4 · Recorded 2 h · Live 2 h · Assignment 0.5 h

- Matching staffing levels to customer traffic
- Calculating labour cost as a percentage of sales and setting a target
- Drafting schedules with AI around staff availability, with reference to B.C. Employment Standards requirements
- Communicating schedules and changes to staff
- Live workshop: drafting a schedule for your business in class, with group review of the Module 3 assignment

Assignment: Next month's staff schedule: a draft schedule with a labour-cost target and a short explanation of your choices.

Module 5: Standard Operating Procedures and Staff Training

Week 5 · Recorded 2 h · Live 2 h · Assignment 0.5 h

- Writing step-by-step SOPs with AI (opening, closing, cash handling, service routines)
- Building a staff handbook section
- Creating training checklists and quiz questions
- Keeping documents accurate and up to date
- Live workshop: writing an SOP for your business in class, with group review of the Module 4 assignment

Assignment: Three SOPs for your own business, each with a five-question staff quiz.

Module 6: Customer Service and Review Management

Week 6 · Recorded 3.5 h · Live 0.5 h · Assignment 0.5 h

- Responding to positive and negative online reviews
- Keeping a consistent, professional tone
- Summarising customer feedback into themes and action items
- Handling complaints step by step

Assignment: Review response templates: five templates for common review situations, plus a summary of your real customer feedback with names removed.

Module 7: Capstone Project and Assessment

Week 6 · Recorded 0 h · Live 2 h · Assignment 1 h

- Combining the course tools into one plan for your business
- Setting measurable targets and a timeline
- Presenting your plan to the instructor and class
- Instructor grading with a written rubric

Assignment: Submit an operations improvement plan for your business (current situation, three to five actions, targets, timeline and how AI output will be checked) and present it in the final live session.

Hours summary

Module	Week	Recorded	Live	Assignment / assessment
1. AI Fundamentals and Safe Use	1	2.5	1.5	0.5
2. Sales Data Analysis	2	2	2	0.5
3. Inventory and Purchasing	3	2	2	0.5
4. Staff Scheduling and Labour Cost	4	2	2	0.5
5. Standard Operating Procedures and Staff Training	5	2	2	0.5
6. Customer Service and Review Management	6	3.5	0.5	0.5
7. Capstone Project and Assessment	6	0	2	1
Total (30 hours)	6	**14**	**12**	**4**

Assessment and certificate

- Module assignments 1 to 6: 60% of the final grade (10% each), graded by the instructor with written feedback
- Capstone project and presentation: 40% of the final grade
- To receive the Certificate of Completion, participants must complete all recorded lessons, take part in the live sessions, submit all seven assignments and achieve an overall grade of 70% or higher

What the fee includes

- 18 hours of recorded lessons, available throughout the course
- 8 hours of live instructor-led sessions
- Course workbook, templates and examples
- Instructor grading and written feedback on every assignment
- Certificate of Completion for participants who meet the requirements

The fee covers training only. No software subscriptions or equipment are sold or bundled with this course.

Participant requirements

- A laptop or desktop computer with a reliable internet connection
- Basic computer skills (email, web browser, simple spreadsheets)
- Access to your business's sales and inventory reports (any point-of-sale system)
- No paid software subscription is required; we show you how to set up a general-purpose AI assistant in Module 1

Instructor

Ryan Jin

Ryan Jin founded BEUR Education Canada in 2018 and has designed and delivered technology training for businesses, schools and individual learners in B.C., including the Arise Academy robotics and STEM program, which he founded in 2019. Before BEUR, he spent five years in operations roles at manufacturing companies, as an estimator, production coordinator and project manager, where he planned materials and work schedules, analysed labour and material costs, introduced lean processes and automated project estimating. He holds a degree in computer science from San Francisco State University and builds practical tools with spreadsheets, scripts and AI. In this course he combines hands-on operations experience with AI tools to help participants work with their own sales, inventory and staffing data, and he teaches in Mandarin Chinese and English.

> This course may be eligible for funding through the B.C. Employer Training Grant (ETG). Each application is assessed individually by the Province. Employers must apply on their own behalf; BEUR does not submit applications for employers. Information for employers: https://www.beur.org/employers/