

# **Bachelor of Science in Computer Science**

Faculty of Business and Computing

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## Dean's Summary

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Submitted by:

Dr. Chris Schinckus, Dean, Faculty of Business and Computing

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Accepted by:

Senate in February 2026

Academic Planning and Priorities Committee in January 2026

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## MEMORANDUM

Academic Planning and Priorities Committee

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**TO:** James Mandigo, Chair, Senate

**FROM:** Tracy Ryder Glass, Chair, Academic Planning and Priorities Committee

**CC:** Chris Schinckus, Dean, Faculty of Business and Computing  
Chris Campbell, Director, Program Development and Quality Assurance

**DATE:** January 30, 2026

**RE:** Program Review - Bachelor of Science in Computer Science

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The Bachelor of Science in Computer Science underwent a program review in 2024/2025. The Academic Planning and Priorities Committee reviewed all of the documentation related to the program review and accepted them at its January 28, 2026 meeting and recommend to Senate for acceptance.

A brief overview was given noting that the department is excited about working through the action items, such as the possibility of creating more research space. This initiative may create new opportunities, particularly in applied research.

The APPC thanked the School of Computing for their hard work on this review.

Attachments:

- Memo to APPC
- Action Plan and Dean's Summary

## Dean's Summary Report

### Bachelor of Science in Computer Science, School of Computing, Faculty of Business and Computing

**Dr. Chris Schinckus, Dean of Business and Computing, December 18, 2025.**

The program review for the Bachelor of Science in Computer Science occurred throughout 2024-2025 in accordance with UFV Policy 189. This review was informed by a comprehensive self-study conducted by the School of Computing, internal and external consultations, and an External Reviewer Report (ERR) that provided specific recommendations and commendations for the program's evolution over the next five to seven years.

The External Review Committee (ERC) evaluated the program's alignment with industry needs, institutional priorities, and student success. The School of Computing and the FBC Dean's Office wish to express their appreciation to the members of the ERC for their thoughtful observations, which have been instrumental in shaping the attached action plan.

The main recommendations and goals resulting from the program review pertain to:

- **Curriculum Modernization and Industry Alignment:** Updating course requirements to reflect the rapidly evolving tech landscape, specifically through the introduction of Cloud Computing and making the capstone project (CIS/COMP 440) mandatory to ensure students possess the high-demand skills required by industry.
- **Institutional Strategic Alignment:** Aligning the program with the UFV OneHealth strategy and mapping Program Learning Outcomes (PLOs) to the new Institutional Learning Outcomes (ILOs).
- **Equity, Diversity, and Inclusion (EDI):** Making concerted efforts to improve gender diversity among faculty and establishing a Women in Tech mentoring program to support underrepresented groups in a traditionally male-dominated field.
- **Applied Research and Work-Integrated Learning (WIL):** Decreasing reliance on Tri-Council grants by building applied research partnerships that increase opportunities for student work-integrated learning.
- **Infrastructure and Resource Optimization:** Addressing the need for bookable hybrid teaching spaces for faculty and renovating lab space (D250) into a Research Lab to support the planned launch of the Master's program in Fall 2027.

The School's response to the ERR (see Action Plan) includes several action items to ensure the implementation of the panel's main recommendations over the next few years. I fully support these actions and will work with the School and the Director to reify these initiatives.

The School of Computing should be proud of the following strengths identified through the review process. For instance, the school has already taken proactive steps to improve student planning by implementing multi-year timetabling, which will be fully in effect by June 2026. The reviewers also noted the school's proactive approach to building synergies between the school and the local community.

The ERR also commended the Program Review office for the high degree of professionalism and effort shown in the review process. The site visit was well organized, and requests for additional documents and information were generally met without delay.

Program Review: Action Plan  
Bachelor of Science in Computer Science

General			
Goal: Explore ways to align program with UFV OneHealth strategy			
<i>To support institutional goals and align with UFV.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Identify opportunities for alignment with UFV OneHealth strategy in the program (prepare students for work that would potentially happen at the graduate level. Especially applicable in CIS/COMP 440 projects.)	OneHealth Integration Strategy	Fall 2027	Director's office + Dean's office
Goal: Provide recommendations to enhance the process and procedures surrounding enrollment in the program			
<i>Recruiting more students can help to fill seats</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Develop recruitment and enrolment goals	Recruitment and Enrolment plan	Winter 2027	Director's office + Future Students Office
Goal: Build more applied research partnerships/programs to increase Work-integrated Learning opportunities and decrease reliance on tri-council grants, better aligned with institutional priorities			
<i>Reliance on Tri-Council funding and government grants is not sustainable or consistent. We need to find other avenues for funding.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Build applied research partnerships/programs to increase work-integrated learning opportunities and decrease reliance on tri-council grants	applied research partnerships/programs	Fall 2027	Director's office + Research Chair + Research Office
Goal: Make a concerted effort to improve gender diversity amongst both Type B Faculty and other instructor types			
<i>In an area such as Computing which is male dominated, this is an ongoing struggle. However, we are committed to ensuring that we support having diversity in our faculty.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
To fulfil our commitments to building a diverse team, when qualifications are equal during our hiring process, we will prioritize applicants from underrepresented groups, for particularly when it comes to gender diversity.		Ongoing	Director's Office

<b>Goal: Establish or expand programs to attract and retain under-represented groups in the program</b>			
<i>As the number of women in tech tends to be low throughout academia and industry, we are committed to ensuring that our female students feel supported, mentored, and empowered.</i>			
<b>Task</b>	<b>Key Milestone or Measurable Outcome</b>	<b>Timeline</b>	<b>Assigned to</b>
Develop Women in Tech mentoring program partnering UFV School of Computing female students with faculty, industry partners, and community stakeholders: honour women in tech by hosting guest speakers, champion women in tech on our social media, and support events that open career pathways for women in computing	Women in Tech mentoring program	Fall 2026	Director's office, EDI office + faculty volunteers

<b>Curriculum and Assurance of Learning</b>			
<b>Goal: Develop smaller Curriculum Cte to update OCO</b>			
<i>A smaller group of faculty who speak to OCOs pertinent to their area of expertise will allow work to get completed at a quicker pace.</i>			
<b>Task</b>	<b>Key Milestone or Measurable Outcome</b>	<b>Timeline</b>	<b>Assigned to</b>
Establish OCO updating committee	OCO Updatng Cte comprised of concentration specific Clusters	Beginning Fall 2026	Director's office
<b>Goal: Align PLOS to ILOs</b>			
<i>We have not mapped our PLOs to the new UFV ILOs. We suspect that in order to best align with the ILOs, we may need to update our PLOs. We will see if this is the case once we begin with the mapping.</i>			
<b>Task</b>	<b>Key Milestone or Measurable Outcome</b>	<b>Timeline</b>	<b>Assigned to</b>
Map PLOs to new ILOs	Mapped PLOs to ILOs	March 2026	Director's office + Curriculum Chair
<b>Goal: Make capstone project mandatory for all students</b>			
<i>By developing a framework for CIS/COMP 440 that includes the necessary skills students need as they enter industry, we can best prepare our students to be successful. This course used to be mandatory for all graduates, which is no longer the case. We plan to return to the previous model.</i>			
<b>Task</b>	<b>Key Milestone or Measurable Outcome</b>	<b>Timeline</b>	<b>Assigned to</b>
Develop framework for CIS/COMP 440 using specific skills in demand by Industry	CIS/COMP 440 Framework (updated OCO passed through UEC)	Winter 2027	Director's office, Curriculum Cluster, Curriculum Strategist
<b>Goal: Remove COMP 455 from program requirements and add new course on cloud computing</b>			
<i>This is simply to remain current with the ever-evolving changes and forward-movement within computing and tech industries.</i>			
<b>Task</b>	<b>Key Milestone or Measurable Outcome</b>	<b>Timeline</b>	<b>Assigned to</b>
Develop Cloud Computing Course	Cloud Computing course passed through UEC	Winter 2027	Curriculum Cluster

Goal: Revise list of electives to include an existing STATs cours (STAT 270/271/272/315/331/430)			
<i>While this is applicable given the direction some students can take once they're in industry, it is not as high of a priority for our program as most of the other recommendations listed by the reviewers.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Review OCOs for these STAT courses and see what's valuable for Comp students	STAT course included in list of electives	Winter 2028	Curriculum Cluster

Student Achievement			
Goal: Offer more variety in electives (automation and mechatronics ENPH 390?)			
<i>This will be ongoing to an extent as we plan to work with other departments to find ways to develop inter-disciplinary programs and courses. As part of these efforts, we will inevitably find ways in which interests with other departments converge.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Look into partnership with Physics on mechatronics courses (pre-reqs)	At least three more elective courses added to program options	Fall 2028	Curriculum Cte (and Trades?)
Goal: Make multi-year timetabling available to Advising and students to enable better planning			
<i>This has already begun (we currently offer the timetable for the following year) and will be in effect beginning in June 2026.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
		June 2026	Director's Office
Goal: Establish small taskforce whose purpose is to provide additional support for under-represented and Indigenous learners			
<i>By identifying the under-represented groups as well as the resources available to them and developing a plan for communicating these recourses to students, we will ensure that students are supported in the best ways possible which lends to student readiness and retention at UFV.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Identify under-represented groups and discern the best ways to provide them support (devices, accessibility, scheduling on evenings & weekends, delivery modes, etc.)	Communications plan for ensuring that all students are aware of resources available to them, especially specific/under-represented groups.	Fall 2028	Student Success/Readiness Chair
Goal: Find a way to assess the number of students who will be declaring Comp Sci as their major			
<i>This is especially important in our yearly/semesterly planning for seats and numbers of sections that we offer.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Pull student lists of program by accrued credits		Winter 2026	Director's office

Governance and Resources			
Goal: Add bookable pods for hybrid and online teaching			
<i>As most Computing faculty are now sharing offices. Switching between in-person and online delivery while on campus becomes very difficult. This especially becomes an issue when faculty find it difficult to be on campus and therefore work from home as much as possible. This negatively impacts the on-campus departmental atmosphere and culture when faculty are never available or in their offices to address administrative or student issues.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Work with School of Business and FBC Dean's office and Provost's Office to identify office space that can be changed from individual offices to bookable space for online teaching	at least two bookable spaces within the department and clearly defined processes for booking these spaces and other similar spaces on campus	Sept 2026	Director's office, Dean's office, Provost's office
Goal: Evolve network lab into networking cart			
<i>The networking cart has been completed since the program review concluded and the steps are now being taken to look at costs associated with renovations to D250 to change this into a useful Research Lab that will particularly be necessary for the Master's program that we plan to launch in Fall 2027.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Have Dean speak to upper leadership about getting approve for changes to D250	D250 renovated into Research Lab	Winter 2027	Dean and Director

Planning and Sustainability			
Goal: Proactively build synergies within campus/between departments, with industry and with local community			
<i>All opportunities that come from working with other departments, industry, and community members are beneficial for the School of Computing and future student opportunities that may arise.</i>			
Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Explore collaboration with UFV departments (micro-credentials) that bring value/skills to Computing students; opportunities for new programs with UFV departments	Comprehensive plan that outlines the opportunities for synergies between departments, industry, and local communities. Included in this is also the Maker's Showcase.	April 2026	Director's office + Industry Partnerships Chair
Goal: Better utilize existing resources including Curriculum Strategist in the Faculty of Business and Computing			
<i>We will be utilizing the Curriculum Strategist heavily beginning in Winter 2027 to ensure that we are preparing our students in the best ways possible to enter industry.</i>			

Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Collaborate with Curriculum Strategist to develop a list of computing-specific skills necessary in industry and create comprehensive list of skills learned in each year of the program to ensure students are being properly prepared to enter industry	Comprehensive list of levelled skills by course and year of the program	Winter 2026	Director's Office, Curriculum Chair, Curriculum Strategist

Goal: Establish a start-up incubator and means to reach out to businesses who have projects needs

*In incubator is not only a recommendation from the program review, but also has been requested by both students and our External Program Advisory Committee.*

Task	Key Milestone or Measurable Outcome	Timeline	Assigned to
Host annual Makers Showcase event inviting students and faculty from nearby institutions as well as industry partners to showcase the projects, code, solutions to current issues students have developed	Annual Makers Showcase event	April 2026	Director's Office

### Dean's Summary Statement

See memo

### Action Plan reviewed and approved by:

Information verified by:

Department Head: Opeyemi Adesina

Digitally signed by Opeyemi Adesina  
Date: 2025.12.18 14:45:58 -08'00'

Date:

Dean: Dr. Chris Schinckus

Date: December 18, 2025.

