

TWO (2) YEAR POST CYCLICAL PROGRAM REVIEW MONITORING REPORT

PROGRAM OVERVIEW

| PROGRAM | IQAP REVIEW DATE | SENATE APPROVED |
|----------------------------|-------------------|-----------------|
| Computer Science (BA, BSc) | November 17, 2022 | July 14, 2023 |

PROGRESS OF RECOMMENDATIONS

| RECOMMENDATION | % COMPLETE | RESPONSIBLE MEMBER/UNIT | STATUS IF NOT COMPLETED, PLEASE PROVIDE PROJECTED COMPLETION DATE |
|--|------------|---|---|
| Remove prescribed list of science courses and allow BSc CompSci students to choose a workable major or minor from other science degree programs. | 0% | Chair and Faculty with recommendation to Dean and Curriculum Approval Process | To the best of my knowledge, this recommendation was not a part of reviewers' report and was not discussed at any of the Department meetings. If the Department finds it being worth consideration, this suggestion could be considered within the ongoing redesign of the Computer Science program |
| Post-Baccalaureate Diploma in Artificial Intelligence and Machine Learning recommended to ACC, Senate, and then recruited for Jan 2024 or Sept 2024. | 100% | After approval, Dean communicates to Registrar's Office | |
| Approval for additional college pathways | 0% | Recommended to Senate | Recommended in consultant report referenced above; will be integrated into program redesign; expected completion: 2026 |
| Curriculum Review focused on student progression and retention: Provost suggested "Potential changes to be considered include | 20% | Department members | The Computer Science program is currently in its initial stage of redesign. To this end, a consultant was hired. The consultant interviewed faculty, students, |

creating an Introduction to Computer Science II course, adding a second Data Structures course, and adding either COSC-1901 or 1902 to the Computer Science 1st year requirements to help students transition from 1st year to 2nd year.”

and other stakeholders. The report was received and will be discussed shortly. DATA 1007 Programming for Data Science has been created and recently approved by Senate. DATA 2006 Data Interaction and Visualization was created and send to curriculum committee for approval. Expected completion: 2026

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| Industrial Research Chair position creation in Artificial Intelligence and Machine Learning | 0% | Dean | Precise focus of position should harmonize with Computer Science and Data Science redesigns currently underway; Expected completion: 2026 |
| Network with local IT industries to ensure opportunities for co-op and collaboration with COSC program | 10% | Dean and co-op coordinator A/S office | A meeting was held with the City of North Bay representatives to discuss potential placement/co-op opportunities for Computer Science students; it is expected that first placements may occur as early as Summer 2025 |
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SUMMARY OF PROGRESS TO DATE

The Computer Science program is in the initial phase of the redesign process. Consultant’s report was received and will be discussed shortly. Two new DATA courses have been created. These courses will be available to Computer Science students. A potential placement/co-op was discussed with the City of North Bay representatives

LIST OF ACTION ITEMS LEADING UP TO NEXT REVIEW

- Discuss the Consultants’ report with the Dean and the members of the Department of Computer Science, Mathematics, and Physics
- Decide which recommendations should be implemented
- Implement the recommendations
- Introduce placement/co-op for Computer Science students (in particular, with the City of North Bay); if needed, make respective changes to the description of the COSC research and practicum courses
- Increase visibility of the program in the media (in particular, Nipissing University website and Nipissing University News)

CONCLUSIONS/RECOMMENDATIONS/NEXT STEPS – PLEASE ADD CONCLUDING SUMMARY REGARDING NEXT STEPS

Additional steps can be added after the Consultant report is discussed and the redesign of the program progresses to further stages.