18 Month Status Report (based on the Implementation and Work Plans)
External Program Review- Step # 11

Department/Program: Computer Science   **Responsibility:** Department Chair
Date Submitted: June 15th, 2015

Programs offered at Algoma University are reviewed cyclical basis as part of the IQAP process. It is a 14 step process beginning with the program self-study undertaken by the department and ends with the circulation and posting of this document on the Algoma University website. The 18 month status report is the ***public record*** of the department's response to the steps undertaken to implement the recommendations of the Final Assessment Report; it is step # 11 in the 14 step process. Once the report is complete, the department submits it to the Dean, who in turn submits to AppCom for review. AppCom then forwards the report to Senate for consideration, discussion and approval of recommendations. AppCom then forwards the status report through the office of the VPAR to the Board of Governors for information. ***The office of the VPAR posts the report on AU website.***

Responses should be clear and concise. Please limit responses to the space provided.
For additional information on the IQAP process, visit http://www.algomau.ca/media/IQAP.pdf.

Recommendation # 1

Department member responsible for leading follow-up: Dr. Simon Xu

Completion by department? Yes [✔]   No [ ]

Recommendation (cut and paste from FAR)

> • To develop a BCOSC 3 year option; the associated minors connected to the BCOSC (e.g., Computer Game Technology, Computer Game Technology – Creative Arts) may prove more marketable and attractive to CAAT students. As such it would replace the BA3COSC (which was recently been reinstated for the accelerated second degree program);

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> The new program - BCOSC3 has been developed and approved by the senate in March, 2015. It is being used to replace BA3COSC for the accelerated second degree program.

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Recommendation # 2____

Department member responsible for leading follow-up: Dr. Simon Xu and Dr. Miguel Garcia

Completion by department? Yes ☑   No ☐

Recommendation (cut and paste from FAR)

> • To continue department efforts (and working with the registrar) in developing college-university pathways including the Gaming-related options (through BCOSC and the accelerated program);

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> SCAAT-COSC pathway on a Gaming related program has been proposed and approved by senate. The department has also developed collaborative agreements with Ontario colleges (Sault College, Sheridan College, Centennial College, Humber College, Cambrian College and Fanshawe College).

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Recommendation # 3____

Department member responsible for leading follow-up: Dr. Miguel Garcia

Completion by department? Yes ☑   No ☐

Recommendation (cut and paste from FAR)

> • To consider alternate course sequencing to allow for the completion of the Certificate in Computer Game Technology in the Spring/Summer semesters;

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> The Certificate requires the completion of 18 credits from 6 core courses and 12 additional COSC credits from elective courses as approved by the department. There are 5 elective courses that students can take in Spring/Summer semesters. Two of the Spring courses are prerequisites for upper courses. The rest of the courses can be alternated in the Fall/Winter semesters.

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Recommendation # 4

Department member responsible for leading follow-up: Prof. Gerry Davies

Completion by department? Yes ✔ No ☐

Recommendation (cut and paste from FAR)

> • To revise the name and course composition of BCOSC.BSM in a manner that is more attractive to students;

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> A Mobile Software Engineering stream has been developed and it was approved by senate in March, 2015, to replace BCOSC.BSM based on the current trend of Information Technology worldwide.

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Recommendation # 5

Department member responsible for leading follow-up: Prof. Gerry Davies

Completion by department? Yes ✔ No ☐

Recommendation (cut and paste from FAR)

> • To restructure COSC2306 (Basic Unix Operating System) to focus more on C programming (a systems level language) and system calls (e.g., files, processes, signals, pipes and sockets) which can then be integrated into the 3000 level;

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> COSC 2306 has been revised based on the recommendation and it was approved by the senate in November, 2014.

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Recommendation # 6

Department member responsible for leading follow-up: Drs. George Townsend and Yi Feng

Completion by department? Yes ✔   No ☐

Recommendation (cut and paste from FAR)

> • As COSC1701/1702 have already recently been revised and COSC1702 is no longer a requirement for the BBA program, that efforts to continue revise COSC1702 for students interested in taking an advanced application skills course;

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> COSC 1701/COSC 1702 have been revised recently and the enrollment of those two courses is healthy. The department thinks there is no need for further revision. However, the department does plan to develop a new software application course at second year level.

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Recommendation # 7

Department member responsible for leading follow-up: Prof. Gerry Davies

Completion by department? Yes ✔   No ☐

Recommendation (cut and paste from FAR)

> • To develop / offer new courses in Mobile gaming / computing, e-commerce and/or bioinformatics as they are current and would be attractive to students;

Outstanding Items / Actions pertaining to Recommendation and Next Steps

> A Mobile Software Engineering stream, which was newly developed, is composed of a few new mobile programming courses. The department will develop one more stream (such as Big Data or Data Analysis) in future.

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Recommendation # 8

Department member responsible for leading follow-up: Dr. S. Xu and Dr. G. Townsend

Completion by department? Yes ✔ No ☐

Recommendation (cut and paste from FAR)

- To continue to review COSC course offering with an eye toward course revision and/or banking;

Outstanding Items / Actions pertaining to Recommendation and Next Steps

The department has been revising Computer Science courses. Most recently COSC 4606, COSC 3807, COSC 4806, and COSC 4807 have been revised. At least one specific meeting is dedicated to course roster preparation each academic year. The department will continue working on course revision and banking when needed.

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Recommendation # 9

Department member responsible for leading follow-up: Dr. Simon Xu and Prof. Gerry Davies

Completion by department? Yes ✔ No ☐

Recommendation (cut and paste from FAR)

- To create a Program Advisory Committee to consult on curricular development and market trends.

Outstanding Items / Actions pertaining to Recommendation and Next Steps

The department thinks currently there is no need for the Advisory Committee. The department has been revising COSC programs as needed in order to align with IEEE standards and requirements and the programs offered by other universities in Ontario.

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