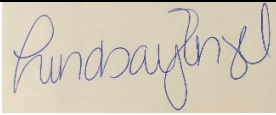





CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Electronics and Embedded Systems Development		
Program Number: ESD2	Date Submitted: 3/26/2021	
Dean responsible for program: Steve Patterson	Associate Dean: Lindsay Engel	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Advanced Diploma <input checked="" type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship		
Program Intakes: <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 20201	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: N/A	
<i>I have read the reasons for the change and...</i>	<i>Signature and date</i>	
Associate Dean of School:	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 March 29, 2021
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 March 26, 2021
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 March 30, 2021
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 March 29, 2021
Office of the Registrar:	<input type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	
Notes:		

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

1.0 Describe proposed change(s). Complete Appendix A (if necessary), Appendix B and amend SDAR (Refer to Appendix C).

2.0

ESD2 requires a Curriculum Modification in order to revert to the old DA now that the program is returning to a hybrid delivery for the Summer 2021 intake. The program was required to change their DA for one semester in Winter 2021 while the College was still operating with reduced face-to-face courses due to COVID-19 protocols, and there was some uncertainty about international students being able to come to Canada to attend classes. The program proposes to move one theory course (ENTP-6005 [45 hrs]) back to Level 2. The in-lab practical course (ELNC-6004 [60 hrs]) will be swapped back into Level 1. This proposed change reverses the one-off offering due to the COVID-19 pandemic and is in keeping with the plans made prior to the 21W delivery.

Reason/Rationale for Changes

2.1 The reason for the change is based on:

- A recent program review
- Program Advisory Committee feedback
- Student feedback
- KPI results
- Accreditation or other regulatory requirements
- Shared curriculum
- Trends in the field/industry
- Other (please describe): COVID-19 Protocols

2.2 Does the change support the College's Strategic Framework (mission, vision, values)?

- Yes
- No (If no, please explain)

2.3 What strategic goal(s) does the proposed change support?

- Goal 1 – Enhance innovative practices for exceptional student learning
- Goal 2 – Manage enrolment growth
- Goal 3 – Optimize use of resources
- Goal 4 – Build sustainable sources of alternative revenue

3.0 Students

3.1 Will the change affect the cost of the program for students?

- Yes

No

3.2 If yes, there will be an additional cost for:

Materials (Include details):

Equipment (Include details):

Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

Yes

No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

No

Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

No

Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

Lawrence Kinlin School of Business

School of Information Technology

School of Contemporary Media

School of Design

School Digital and Performing Arts

School of Tourism, Hospitality and Culinary Arts

School of Community Studies

School of Health Sciences

School of Nursing

School of Public Safety

Donald J. Smith School of Building Technology

Norton Wolf School of Aviation Technology

School of Applied Sciences and Technology

School of Transportation Technology and Apprenticeship

School of Language and Liberal Studies

- English Language Institute
- London South Campus
- Simcoe/Norfolk Regional Campus
- St Thomas/Elgin Regional Campus
- Woodstock/Oxford Regional Campus
- Huron/Bruce Regional Sites

5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

- No
- Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

- No
- Yes (If yes, consult with the Co-op office prior to submission)

6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

- No
- Yes (If yes, please explain)

6.2 Will the proposed change impact any of the Enabling areas?

- No
- Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

- No
- Yes (If yes, please explain): The lab times in Levels 1 and 2 will return to the “usual” amount required for a “normal” delivery of this program, which means that there will be some lab time required in both semesters of the program. This was accounted for in the original planning.

7.0 General College Requirements

7.1 Are changes consistent with Colleges policies?

- Yes
- No (If no, please explain)

7.2 Will the program meet the General Education requirements (Policy A126) as listed below?

- No
 Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
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7.3 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- No
 Yes

Note: In accordance with POLICY NUMBER: A122 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

7.4 Indicate:

- i) Total program hours before proposed change: 600
 ii) Total program hours after proposed change: 600
 iii) Level(s) in which the proposed change(s) occurs: Levels 1 and 2

7.4.1 Are the total program hours consistent with the requirements as listed below?

- Yes
 No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2100 hours
Graduate Certificate - 600 hours	DOAA – 120 to 200 hours

Degree Audit Report

Catalog: 2020/2021 **Program:** ESD2 **Name:** Electronics and Embedded Systems Development
Department: MAN - Applied Science and Technology **Academic Level:** PS
CCD: 7 - 2AcadSem/600-700 hrs **Credential:** Ontario College Graduate Cert
Grade Scheme: LG2 **Major:** ESD2 - Electronics & Embedded Sys Dev **Div:** MAN - Manufacturing Sciences Division
Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 32.50 **Residency Reqmt:** 9.00 **GPA Requirement:** 2.00
Residency Reqmt GPA: 2.00 **Minimum Grade:** D
Academic Requirement: ESD2.20 Electronics and Embedded Systems Development **Major:** ESD2
Grade Scheme: LG2 **Minimum GPA:** 2.00 **Minimum Grade:**

Subrequirement: Level 1 Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ELNC-6005	Electronic Documentation & Graphics	60.00	3.00	
ELNC-6006	Embedded Systems 1	75.00	4.00	
MGMT-6098	Project Management	45.00	3.00	
COMM-6027	Industrial Communications	60.00	4.00	

Subrequirement: Level 2 Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ELNC-6007	Embedded Systems 2	75.00	4.00	
ELNC-6008	Practical Project	75.00	2.50	
ELNC-6010	Circuits & Interfacing	60.00	3.00	
COMM-6028	Project Communications	45.00	3.00	

Remove this Subrequirement Category once courses are placed back into original semesters.

Subrequirement: Add'l Requirement Take the following Mandatory Courses: Taken in levels 1 or 2

		Total Hours	Total Credits	GE
ELNC-6004	Electronic Components & Processes	60.00	3.00	MOVE BACK to Level 1

ENTP-6005 Business & Sustainability in Technology 45.00 3.00

MOVE BACK to Level 2

Subrequirement: Program Residency Students Must Complete a Minimum of 9 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Approved By Chair/Manager:

Department and Date:



Date: March 26, 2021

Approved by Dean:

General Education Approved By(as appropriate):

Date: