

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Construction Engineering Technology

2018

CMY2 Curriculum Modification for 2019-20

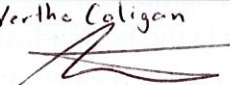
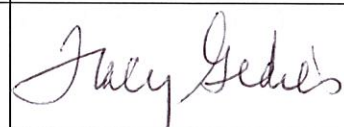

Fanshawe College

Follow this and additional works at: https://first.fanshawec.ca/cae_buildingtech_constructionengtech_documentation

CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Construction Engineering Technology		
Program Number: CMY2	Date Submitted: 11/28/2018	
Dean responsible for program: Vertha Coligan	Chair: Steve Crema	
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 checked="" type="checkbox"/> Advanced Diploma <input 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 type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 20192 ✓	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: Click here to enter a date.	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	For Vertha Coligan  Nov 28/18
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
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	
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 Dec 15/18
Office of the Registrar:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 Dec 5/18
Notes: Technology or ? 19/20 - DA Yes <u>Technologies</u> by confirm-		

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) and amend SDAR (Refer to Appendix C).

Update course names and numbers to reflect updated course content in the CMY program.

2.0 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):

- 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 Tourism, Hospitality and Culinary Arts
- School of Community Studies
- School of Health Sciences
- School of Nursing
- School of Public Safety
- School of Contemporary Media
- School of Design
- School Digital and Performing Arts
- School of Language and Liberal Studies
- 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
- Continuing Education
- 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)

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: 2016
ii) Total program hours after proposed change: 2016
iii) Level(s) in which the proposed change(s) occurs: Lv 1, Lv 2, Lv 6

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	

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

Course Code	Existing DA Courses	Total Hours	Total Credits	Description of Proposed Change	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
COMP-1327	Computer Applications	45	3	Rename/renumber	CONS-1078	Construction Technologies 1	45	3
MATH-1036	Mathematics in Technology 1							
SFTY-1029	Health & Safety							
COOP-1020	Co-operative Education Employment Prep							
MATS-1028	Methods & Materials 1							
WRIT-1039	Reason & Writing 1-Technology							
CONS-1059	Quantity Surveying 1							
SURV-1010	Construction Surveying 1							
TOTAL		45	3			TOTAL	45	3
Level 2								
ENVR-1017	Sustainability in the Built Environment							
PLUM-1025	Plumbing 1							
CONS-1060	Quantity Surveying 2							
SURV-3017	Construction Surveying 2							
MATH-1196	Mathematics in Technology 2							
MATS-1029	Methods & Materials 2							
CADD-1076	AutoCAD	30	2	Rename/renumber	CONS-3047	Construction T	30	2
ENGR-1027	Statics & Mechanics							
TOTAL		30	2			TOTAL	30	2
Level 3								
TOTAL		0	0			TOTAL	0	0
Level 4								
TOTAL		0	0			TOTAL	0	0
Level 5								
TOTAL		0	0			TOTAL	0	0
Level 6								
MGMT-5085	Construction Management 2							
PLUM-5009	Plumbing Estimating							
ENGR-5015	HVAC Estimating							
COMP-5067	Computer Estimating 2							
SURV-5006	Construction Surveying 3							

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

CONS-5018	Building Information Mod	45	3	Rename/renumber	CONS-5036	Construction Technologies 3	45	3		
CONS-5020	Quantity Surveying & Estimating 4									
TOTAL		45	3					TOTAL	45	3

PROGRAM TOTAL

120	8
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PROGRAM TOTAL

120	8
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Degree Audit Report

Catalog: ^{2019/20}~~2018/2019~~

Program: CMY2

Name: Construction Engineering
Technology

Department: BLD - Building Technology

Academic Level: PS

CCD: 9 - 6AcadSem/1800-2100hrs

Credential: Ontario College Advanced Dipl

Grade Scheme: LG2

Major: CMY2 - Construction Eng. Technology

Div: BLD - Building Technology Division

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 137.50

Residency Reqmt: 35.00

GPA Requirement: 2.00

Residency Reqmt GPA: 2.00

Minimum Grade: D

Academic Requirement: CMY2.18 Construction Engineering Technology

Major: CMY1

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CONS-1078	Construction Technology I			
COMP-1327	Computer Applications	45.00	3.00	
MATH-1036	Mathematics in Technology 1	45.00	3.00	
SFTY-1029	Health & Safety	45.00	3.00	**
COOP-1020	Co-operative Education Employment Prep	6.00	1.00	
MATS-1028	Methods & Materials 1	90.00	5.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	
CONS-1059	Quantity Surveying 1	45.00	3.00	
SURV-1010	Construction Surveying 1	45.00	3.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ENVR-1017	Sustainability in the Built Environment	45.00	3.00	
PLUM-1025	Plumbing 1	45.00	2.50	
CONS-1060	Quantity Surveying 2	60.00	4.00	
SURV-3017	Construction Surveying 2	30.00	2.00	
MATH-1196	Mathematics in Technology 2	30.00	2.00	
MATS-1029	Methods & Materials 2	90.00	5.00	
CONS-3047	CADD-1076	AutoCAD Construction Technologies II	30.00	2.00
ENGR-1027	Statics & Mechanics	60.00	4.00	

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

Degree Audit Report

		Total Hours	Total Credits	GE
CONS-3013	Heavy Construction Quantity Surveying	60.00	4.00	
LAWS-1030	Contracts in Society	45.00	3.00	**
CONS-3025	Formwork Systems	45.00	3.00	
ELEC-1139	Electrical 1	30.00	2.00	
ENGR-1028	HVAC 1	30.00	2.00	
CONS-3026	Quantity Surveying & Estimating 1	60.00	4.00	
ENGR-3017	Wood Design	60.00	3.50	

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
LAWS-3001	Construction Contracts & Specifications	60.00	4.00	
ENGR-3018	HVAC 2	30.00	2.00	
CONS-3027	Quantity Surveying & Estimating 2	60.00	4.00	
ENGR-3019	Concrete Design	60.00	3.50	
CONS-3024	Site Logistics	45.00	3.00	
ECON-1022	Building Economics 1	60.00	4.00	

Subrequirement: Level 5

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CONS-3010	Building Science	30.00	2.00	
MGMT-3080	Construction Management 1	60.00	4.00	
COMM-5005	Technical Report Prod for Bldg Tech'y	30.00	2.00	
ELEC-5041	Electrical Estimating	30.00	2.00	
CONS-5019	Quantity Surveying & Estimating 3	60.00	4.00	
COMP-1500	Computer Estimating 1	15.00	1.00	
ENGR-5014	Steel Design	45.00	3.00	
ECON-5005	Building Economics 2	60.00	4.00	

Subrequirement: Level 6

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MGMT-5085	Construction Management 2	60.00	3.00	
PLUM-5009	Plumbing Estimating	30.00	2.00	
ENGR-5015	HVAC Estimating	30.00	2.00	
COMP-5067	Computer Estimating 2	30.00	2.00	
SURV-5006	Construction Surveying 3	30.00	2.00	
CONS-5018	Building Information Modelling	45.00	3.00	
CONS-5020	Quantity Surveying & Estimating 4	60.00	4.00	

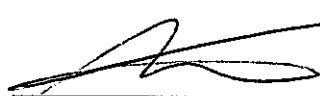
Subrequirement: Gen Ed - Electives

Take 6 General Education Credits - Normally taken in Levels 3 and 4

Subrequirement: Program Residency

Students Must Complete a Minimum of 35 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Degree Audit Report



Approved By Chair/Manager:

For Verthe Coligan: 

Approved by Dean:

General Education Approved By(as appropriate):

BLD - Nov 28/18

Department and Date:

Nov 28/18

Date:

Date:

Del for 11/19