

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Electromechanical Engineering Technician (Co-
op / Non Co-op)

2011

EMN1 Curriculum Modification for 2012-13

Fanshawe College

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PROGRAM/CURRICULUM "RATIONALE FOR CHANGES"

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DEC 02 2011

REGISTRAR

All requests for changes to programs of instruction must be submitted to the Registrar's Office by December 1st each year for changes to be implemented for the following September intake. All changes require the approval of the Dean and possibly the VPA's Office, if significant.

REMINDER: We need to ensure that changes are made properly and in a timely manner to: maximize student success; optimize employment preparation; meet all quality and integrity responsibilities to MTCU, PQAPA and our Board of Governors; and meet community expectations.

- ↳ The **Program/Curriculum "Rationale for Changes"** should be completed using this template and all areas must be completed. An electronic copy of this document should be submitted to the Registrar's Office.
- ↳ The Dean/Chair responsible for the program should consult with other affected schools and obtain the appropriate sign-offs on a paper copy of this document. Once all consultations and sign-offs have occurred, the paper copy should be submitted to the RO
- ↳ Course Request Forms must also be submitted electronically to Strategy and Planning for all new courses. These will be forwarded to Scheduling following approval of the changes by the Dean and possibly the VPA's Office.

1.0 Program Requiring Changes

Program Title:	Electromechanical Eng Techn - Accelerated	
Program Alpha & Number:	EMNI	
Effective Catalog Year:	2012/13	

Please answer each of the questions below, if applicable. Missing or incomplete information may delay approval and/or implementation of the proposed changes.

2.0 Rationale for Changes

2.01 Provide a brief description of the reasons for the proposed changes.

The DAs for EMNI, ELN3, MEN2, MEY2 are all going to have the same projects course & the same COMM course. This allows for consistency across the program because the course content is the same.

2.02 Students

- Are changes a response to student feedback? Or our Programs Data Report - Weak Factors? (summarize how changes address this issue)
- How will changes affect student learning and success? (describe evidence to support this)
- How will changes affect cost of the program for students? (e.g., materials fees; equipment fees - laptop program; OSAP implications)
- How will changes affect the flow of the program?

- 2.03 Relationship of Program to Industry
- How do changes reflect trends in the field or in industry? (Provide data regarding industry and/or professional trends.)
- 2.04 Program Learning Outcomes
- How do the changes align with Ministry outcomes? (Provide a copy of the completed program map indicating gaps/overlaps that are being corrected)
- 2.05 Relationships with Other Fanshawe College Programs
- Is this course in a laddered program or part of any other Fanshawe College program?
- 2.06 Relations with Other Post-Secondary Programs
- How will the changes affect transfer agreements with other post-secondary institutions?
 - What discussions have been initiated with these institutions regarding the changes?
- 2.07 Changes on Fit of Program with general College Requirements for Programs
- How do changes affect the fit of the program with the College's strategic plan, program mix, general education requirements, marketing?
 - Are changes consistent with Colleges policies/practices? (Identify specific areas where policies/practices need to be altered if program changes approved.)

3.0 Consultation Regarding Proposed Changes

- 3.01 Consultation With Program Advisory Committee
- Indicate feedback from the program advisory committee regarding the changes.
- 3.02 Consultation With Other Programs/Schools/Services
- What programs/schools/services have been consulted?
 - What feedback and suggestions have been offered through consultation?

4.0 Resource Implications of Proposed Changes

- 4.01 Staffing
- Outline all staffing consequences, both for the program and related areas.
- 4.02 Services
- Outline all consequences on other areas.
- 4.03 Space or Technology Requirements
- Outline how changes affect space and/or technology requirements.
- 4.04 Budgetary Implications
- Outline budgetary implications (include consequences on other schools such as increase/decrease in teaching hours required)
 - Outline changes to materials fees.

Approvals: Chair of School and Dean of Faculty; possibly VPA's Office, if significant

Approved Not Approved / Requires Changes

[Signature] _____ Date *Nov 30/11*

[Signature] _____ Date *Nov 30/11*

Chair of Servicing School, if required (signature) _____ Date

Vice-President, Academic, if required (signature) _____ Date

LDK

Degree Audit Report

Catalog: 2012/2013

Program: EMN1
Department: MAN - Applied Science and Technology
Academic Level: PS
CCD: 8 - 4AcadSem/1200-1400hrs

Name: Electromechanical Engineering
 Technician(Accelerated)

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Grade Scheme: LG2
Major: EMN1 - Electromechanical Eng Tech'n
Co-Op Indicator: N/A

Div: MAN - Manufacturing Processes Division

REGISTRAR

Academic Program Requirement

Total Credits: 83.50
GPA Requirement: 2.000
Minimum Grade: D

Residency Reqmt: 21.00
Residency Reqmt GPA: 2.000

Academic Requirement: EMN1.12 Electromechanical Engineering Technician (acce)

Major: EMN1
Grade Scheme: LG2
Minimum GPA: 2.00000
Minimum Grade:

Subrequirement: Level 1

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

		Total Hours	Total Credits	GE
ELEC-1109	Electrical 1: AC & DC	90.00	5.50	
ELNC-1099	Practical Electronics	72.00	4.50	
CADD-1067	Electro-Mech Drftg/Slds Mding	36.00	1.50	
WELD-1052	Welding Processes-Intro	54.00	2.50	
MANF-1018	Manufacturing Processes & Materials	54.00	4.00	
MATH-1160	Math I	90.00	6.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ELNC-1100	Electronics 1	90.00	5.50	
CNTL-3009	Automation I - PLC's	90.00	5.00	
MECH-1091	Mechanical Design 1	54.00	4.00	
MACH-1137	Machining & CNC-Intro	54.00	2.00	
MATS-1020	Materials Engineering	54.00	3.50	
ELEC-1112	Electrical Machines 1	90.00	5.50	
MGMT-1007	Project Management	45.00	3.00	**

Subrequirement: Level 3

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

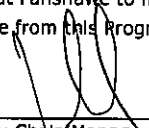
		Total Hours	Total Credits	GE
ELEC-5096	Applied Project III	36.00	1.50	remove
CNTL-1012	Robotics & Automation	108.00	5.50	
CNTL-5014	Instrumentation & Process Control	72.00	4.50	
MECH-3036	Mechanical Design 2	54.00	4.00	
CADD-3029	CAD/CAM/CNC Applications	72.00	3.00	
COMM-3057	Communication for Electrical Technicians	54.00	4.00	

Please add:
 MGMT 5072

Degree Audit Report

Subrequirement: Gen Ed - Electives
Take 6 General Education Credits -
Normally taken in Levels 1 and 3

Subrequirement: Check Residency
Students Must Complete a Minimum of 21 of the Program
Credits at Fanshawe to meet the Residency Requirement and
Graduate from this Program.



Approved By Chair/Manager:



Approved by Dean:

General Education Approved By(as appropriate):

MAN Nov 30/11
Department and Date:

Nov 30/11
Date:

Date:

H. Zwick
Dec 20/11