

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Aviation Technician - Avionics Maintenance

2016

AVM2 Curriculum Modification for 2017-18

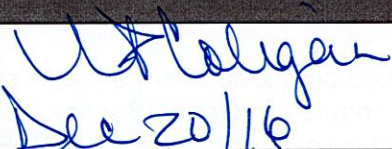

Fanshawe College

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CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Aviation Technician – Avionics Maintenance (Co-Op)		
Program Number: AVM2	Date Submitted: 12/15/2016	
Dean responsible for program: Vertha Coligan	Chair: Stephen Patterson	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input checked="" type="checkbox"/> Diploma <input 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 type="checkbox"/> W <input type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 17/18	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: 9/1/2016	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (responsible for program): V. Coligan	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 Dec 20/16
Dean of Faculty (impacted by change): V. Coligan	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs): G. Lima	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Director, Centre for Academic Excellence: T. Gedies	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 Dec 19/16
Office of the Registrar: J. Lamoureux	<input type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	

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).

2.0 Reason/Rationale for Changes

2.1 The reason for the change is based on:

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

The attached proposed changes represent a change in programming length from 2010 hours to 1800 hours, and from 18-week terms to 15-week terms, alike. These changes result in a program length and coverage of CARS 566 Training requirements that meet Transport Canada's approval for accreditation – wherein our TC Regulator Tanya Chaine has confirmed no issue with the change, and no change to our 18 months accredited time - and holds the following additional benefits:

1. Lower student tuition costing for International and domestic students – a influencer on program choice at present - calculable and attributable to lower TCH
2. A program length equal to our direct competitors in the Ontario College System of 1800 hrs.
3. Additional space in the academic calendar for a third possible summer academic term
4. Higher placement rates, due to and advanced program graduate date equal to our direct competitors
5. Possible participation in the College standard academic calendar
6. Inclusion in June graduation cross-college, with no delays due to an 18-week term
7. Better fit with college supports cross-institution
8. Greater program administration opportunities
9. Additional bridging time for the students that our out-of-sequence
10. Better student experience with greater opportunity to enjoy Holiday Breaks, now used for study

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 - Enrolment growth
- Goal 2 - Flexible delivery options
- Goal 3 - Premier student experience
- Goal 4 - Sustainable College life

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):

Tuition Reduction, which will be particularly attractive to International registrants

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?

- School of Information Technology
- Lawrence Kinlin School of Business
- School of Tourism and Hospitality
- School of Health Sciences
- School of Human Services
- School of Nursing
- School of Public Safety
- School of Contemporary Media
- School of Design
- School of Language and Liberal Studies
- Norton Wolf School of Aviation Technology
- School of Applied Sciences and Technology
- Donald J. Smith School of Building Technology
- School of Transportation Technology
- 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)

Once approved, we will update our Articulation with IT Carlow.

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 Indicate:

- i) Total program hours before proposed change: 2016
- ii) Total program hours after proposed change: 1806
- iii) Level(s) in which the proposed change(s) occurs: 1, 2, 3, 4

7.2.1 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 2000 hours
Graduate Certificate - 600 hours	

7.3 Will the program meet the General Education requirements (Policy 2-B-02) 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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7.4 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: 2-B-17 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).

Degree Audit Report

AVIA-1015	Aircraft Hyd/Pneumatic/Landing Gear Syst	60.00	3.00
AVIA-1016	Aircraft Environmental/Safety Systems	60.00	3.00
AVIA-1017	Aircraft Flight Instruments	90.00	4.00
AVIA-1018	Aircraft Internal Communications	30.00	1.50

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
AVIA-1019	Aircraft Wireless Communications Systems	90.00	4.50	
AVIA-1020	Aircraft Radio Navigation Systems	90.00	4.50	
AVIA-1021	Aircraft Automatic Flight Control System	90.00	4.00	
AVIA-1022	Avionics Installations & Standard Prac.	120.00	4.50	
AVIA-1023	Flight Line Maintenance Practices	120.00	4.50	

Subrequirement: Gen Ed - Electives

Take 9 General Education Credits - Normally taken in Levels
 2, 3 and 4

Subrequirement: Program Residency

Students Must Complete a Minimum of 27 credits in this
 program at Fanshawe College to meet the Program Residency
 requirement and graduate from this program

Approved By Chair/Manager:

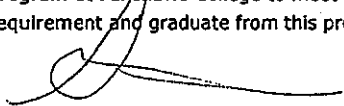
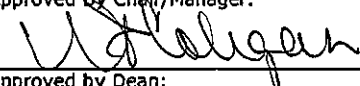
Approved by Dean:

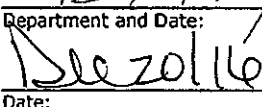
General Education Approved By(as appropriate):

Department and Date:

Date:

Date:

Dec 15 / 16


TG
Dec 19 / 16

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe Proposed Changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
AVIA-1002	WHMIS	30	2.5		AVIA-1002	WHMIS	30	2.5
AVIA-1003	Electric	210	10.5	Length Reduced	AVIA-1057	Electric	195	13
AVIA-1004	Electronic	150	7.5		AVIA-1004	Electronic	150	7.5
MATH-1180	Math for Avionics	30	2		MATH-1180	Math for Avionics	30	2
PHYS-1038	Physics for Avionics	60	4	Length Reduced	PHYS-1042	Physics for Avionics	45	3
COOP-1020	Co-op Educations	6	1		COOP-1020	Co-op Educations	6	1
TOTAL		486	27.5		TOTAL		456	26.3
Level 2								
AVIA-1005	Digital Fundamentals	150	7.5	Length Reduced	AVIA-1058	Digital Fundamentals	120	8
AVIA-1006	Radio Theory	120	5.5		AVIA-1006	Radio Theory	120	5.5
AVIA-1007	Maintenance Practice	120	6	Length Reduced	AVIA-1059	Maintenance Practice	90	6
AVIA-1008	Aerodynmaics	60	3		AVIA-1008	Aerodynmaics	60	3
AVIA-1009	Structures	60	3		AVIA-1009	Structures	60	3
TOTAL		510	25		TOTAL		450	25.5
Level 3								
AVIA-1010	Materials	60	2.5		AVIA-1010	Materials	60	2.5
AVIA-1011	Electric Power	90	4.5		AVIA-1011	Electric Power	90	4.5
AVIA-1012	Propulsion	30	1.5		AVIA-1012	Propulsion	30	1.5
AVIA-1013	Engine Instruments	60	3		AVIA-1013	Engine Instruments	60	3
AVIA-1014	Fuel Systems	30	1.5		AVIA-1014	Fuel Systems	30	1.5
AVIA-1015	Landing Gear	60	3	Length Reduced	AVIA-1061	Landing Gear	30	2
AVIA-1016	Safety Systems	60	3	Length Reduced	AVIA-1060	Safety Systems	30	2
AVIA-1017	Flight Instruments	90	4		AVIA-1017	Flight Instruments	90	4
AVIA-1018	Interanl COMMs	30	1.5		AVIA-1018	Interanl COMMs	30	1.5
TOTAL		510	24.5		TOTAL		450	22.5
Level 4								
AVAI-1019	Wireless COMMs	90	4.5	Length Reduced	AVIA-1062	Wireless COMMs	60	4
AVAI-1020	Radio Navigation	90	4.5		AVAI-1020	Radio Navigation	90	4.5
AVAI-1021	Flight Controls	90	4.5	Length Reduced	AVIA-1063	Flight Controls	60	4
AVAI-1022	Installations	120	4.5		AVAI-1022	Installations	120	4.5
AVAI-1023	Flight Lines	120	4.5		AVAI-1023	Flight Lines	120	4.5
TOTAL		510	22.5		TOTAL		450	21.5
Level 5								
TOTAL		0	0		TOTAL		0	0
Level 6								
TOTAL		0	0		TOTAL		0	0

PROGRAM TOTAL 2016 99.5

PROGRAM TOTAL 1806 95.8

de Groot, Elizabeth

From: Dobson, Terry
Sent: Tuesday, December 20, 2016 10:00 AM
To: Anderson, Cheryl; Connors, Martin; Davies, Tracey; Dos Santos, Brianne; Ertel, Amelia; Frost, Tony; Harwood, Amber; Kruger, Francois; Lamoureux, Janice; Gaudet, Lynne; Mask, Melissa; McCallum, Tiffany; Paterson, Cheryl; Pietens, Joanne; Prtenjaca, Mary; Robinson, Devin; Siroyt-Vandelaar, Christine; Spicer, Christine; Dobson, Susan; Trovato, Frank; Vogt, Krista; Zawada, Dan
Cc: Patterson, Stephen; Osborne, Kerry; Gedies, Tracy; de Groot, Elizabeth; Potts, Justin; Derer, Donna
Subject: Aviation Technician program number changes

Due to a change in the duration of the program levels and total program duration, the two Aviation Technician programs will have new program numbers beginning in Sept 2017. The programs currently run with 18 week levels and a total duration of 72 weeks. This is changing to 15 week levels and a total duration of 60 weeks. No other information is changing (title, program weights, funding units approval codes), only the duration. The details are noted below.

Aviation Technician – Avionics Maintenance
AVM3 replaces AVM1 (non co-op)
AVM4 replaces AVM2 (co-op)

Aviation Technician – Aircraft Maintenance
AAM3 replaces AAM1 (non co-op)
AAM4 replaces AAM2 (co-op)

These changes are effective with the Sept 2017 intake. Students currently registered in AVM1/AVM2 or AAM1/AAM2 will complete the program in the existing program number. This change is effective with the new group of students beginning in Sept 2017.

If you have any questions, please let me know.

Terry

Terry Dobson,
Budget Coordinator

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