

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Aviation Technology - Aircraft Maintenance and
Avionics

2018

AVI1 AV2 New DA for 2018-19

Fanshawe College

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cae_aviationtech_aviationtechnologyaircraftmaintenanceandavionics_documentation

Degree Audit Report

Catalog: 2018/2019

Program: AVI1

Name: Aviation Technology - Aircraft Maintenance and Avionics

Department: AVI - Norton Wolf Sch of Aviation

Academic Level: PS

CCD: 9 - 6AcadSem/1800-2100hrs

Credential: Ontario College Advanced Dipl

Grade Scheme: LG2

Major: AVI1 - Aviat'n Tech'y-Mtnce & Avionic

Div: AVI - School of Aviation Technology

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 0.00

Residency Reqmt: 0.00

GPA Requirement: 2.00

Residency Reqmt GPA: 0.00

Minimum Grade:

Academic Requirement:

Major:

Grade Scheme:

Minimum GPA: 0.00

Minimum Grade:

Approved By Chair/Manager:

AVI 8/1/2018
Department and Date

Approved by Dean:

Date:

General Education Approved By(as appropriate):

Date:

TG
Feb 8/18

Degree Audit Report

Catalog: 2018/2019

Program: AVI2

Name: Aviation Technology - Aircraft Maintenance & Avionics(Co-op)

Department: AVI - Norton Wolf Sch of Aviation

Academic Level: PS

CCD: 9 - 6AcadSem/1800-2100hrs

Credential: Ontario College Advanced Dipl

Grade Scheme: LG2

Major: AVI1 - Aviat'n Tech'y-Mtnce & Avionic

Div: AVI - School of Aviation Technology

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 0.00

Residency Reqmt: 0.00

GPA Requirement: 2.00

Residency Reqmt GPA: 0.00

Minimum Grade:

Academic Requirement:

Major:

Grade Scheme:

Minimum GPA: 0.00

Minimum Grade:

Approved By Chair/Manager:

AVJ 8/1/2018
Department and Date:

Approved by Dean:

Date:

General Education Approved By(as appropriate):

Date:

TJ
Feb 8/18

PROPOSED CURRICULUM- AVI 1 + AVI 2

General Education?

Course Code	Existing DA Courses	Total Hours	Total Credits
Level 1			
✓ AVIA-1064	Shop Safety & Aircraft Tools	60	3
✓ AVIA-1025	Aircraft Corrosion Control	60	3
✓ AVIA-1050	Fixed Wing Aerodynamics	90	4.5
✓ AVIA-1065	Aircraft Reciprocating Engines	120	6
✓ AVIA-1052	Aircraft Propellers	30	1.5
✓ AVIA-1030	Aircraft DC Electrical Systems	90	4.5
TOTAL		450	22.5
Level 2			
✓ AVIA-1031	Aircraft Metallic Structure & Metallurgy	120	6
✓ AVIA-1066	Hydraulic Controls/Emergency Equipment	120	6
✓ AVIA-1033	Canadian Aviation Regulations	30	1.5
✓ AVIA-1035	Rotary Wing Aerodynamics	90	4.5
✓ AVIA-1036	Aircraft AC Electrical Systems	90	4.5
TOTAL		450	22.5
Level 3			
✓ AVIA-1038	Aircraft Materials/Hardware	60	3
✓ AVIA-1039	Aircraft Non-Metallic Structure & Comp	120	6
✓ AVIA-1068	Aircraft Gas Turbine Engines	90	4.5
✓ AVIA-1041	Aircraft Water, Fuel & Ignition Systems	90	4.5
✓ AVIA-1042	Aircraft Airframe Electrical Systems	90	4.5
TOTAL		450	22.5
Level 4			
✓ AVIA-1067	AMO Management: Records & Inspections	90	4.5

PROPOSED CURRICULUM- AVI

✓ AVIA-1069	Maintenance Techniques	90	4.5
✓ AVIA-1045	Aircraft Turbine Engine Maintenance	90	4.5
✓ AVIA-1046	Aircraft Starting & Indications	90	4.5
✓ AVIA-1070	Avionics-Intro	90	4.5
TOTAL		450	22.5
Level 5			
✓ AVIA-1058	Avionics Digital Fundamentals	120	6
✓ AVIA-1006	Avionics Radio Theory	120	5.5
AVIA-1083 TBD	Avionics Electronic Fundamentals	90	TBD
✓ AVIA-1017	Aircraft Flight Instruments	90	4
✓ AVIA-1018	Aircraft Internal Communications	30	1.5
TOTAL		450	17
Level 6			
✓ AVIA-1062	Aircraft Wireless Communications Systems	60	3
✓ AVIA-1020	Aircraft Radio Navigation Systems	90	4.5
✓ AVIA-1063	Aircraft Automatic Flight Control System	60	3
✓ AVIA-1022	Avionics Installations & Standard Prac.	120	4.5
✓ AVIA-1023	Flight Line Maintenance Practices	120	4.5
TOTAL		450	19.5

PROGRAM TOTAL	2700	104
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