PAGE 133:
The following College Credit Courses have been modified to reflect changes requested by the Florida Department of Veterans' Affairs-State Approving Agency for Veterans' Education and Training.

Effective Spring 2017 (2016-2) the following Aviation courses are modified as follows:

➢ **ATF 2210   Commercial Pilot Flight   3 credits**
This course provides pilot training required to allow the student to safely conduct flight as a Commercial Pilot. The training will be conducted in accordance with FAR Part 141 and in concert with stages 5 and 6 of the Jeppesen Sanderson Instrument/Commercial Syllabus. Upon satisfactory completion of this course, the FAA written exam, and FAA practical exam the student will receive an FAA Commercial Rating. Minimum approved FAA Part 141 course hours include 120 hours of flight. Cost per hour Wet/Dual at Wayman Flight School Cessna 152 = $99/$158, Cessna 172 C = $120/ $179, Cessna 172 G = $165/$224, Cessna 172 R = $139/$198, Piper = $159/$218. Cost per hour Wet/Dual at Dean Flight School - Cessna 152 = $83/$121, Cessna 172 = $98/$136, Cessna 172 G =$140/$178, Piper Arrow =$145/$186. Prerequisites: FAA Instrument Rating and Current FAA 1st Class Medical Certificate; co-requisite: ATT 2110. Special fee. (3 hr. lecture)

➢ **ATF2305   Instrument Pilot Flight   3 credits**
This course provides the flight training required to safely conduct flights as an instrument rated pilot. The training is conducted in accordance with FAR Part 141 as outlined in stages 1 through 4 of the Jeppesen Sanderson Instrument/Commercial Syllabus. Upon satisfactory completion of this course and the Federal Aviation Administration (FAA) knowledge and practical exams, the applicant will receive an FAA instrument rating. Minimum approved FAA Part 141 course hours include 35 hours of flight. Cost per Hour Wet/Dual at Wayman Flight School Cessna 152 = $99/$158, Cessna 172 C = $120/ $179, Cessna 172 G = $165/$224, Cessna 172 R = $139/$198. Cost per Hour Wet/Dual at Dean Flight School - Cessna 152 = $83/$121, Cessna 172 = $98/$136, Cessna 172 G = $140/$ 178. Prerequisites: FAA Private Pilot Certificate and Current FAA 1st Class Medical Certificate; co-requisites: ATT 2120. Special fee. (3 hr. lecture)

➢ **ATF2400   Multi-Engine Pilot Flight   1 credit**
This course provides the flight training required to prepare the student to safely conduct flight as a Multi-Engine Pilot. Upon satisfactory completion of this course, and the FAA oral and practical exams, the student will receive an FAA Multi-Engine Rating. Minimum approved FAA Part 141 course hours include 20 hours of flight. Cost per hour Wet/Dual at Wayman Flight School $300/$359 Cost per hour Wet/Dual at Dean Flight School - $235/$276. Prerequisites: FAA Private Pilot Certificate, and Current FAA 1st Class Medical Certificate; co-requisite: ATT 2133. Special fee. (3 hr. lecture)

➢ **ATF2501   Flight Instructor-Flight Training   3 credits**
This course provides flight training for the student to develop the ability to analyze the performance of private and commercial flight maneuvers from the right seat of a training aircraft, in compliance with the Federal Aviation Administration Certified Flight Instructor Certificate. Minimum approved FAA Part 141 course hours include 25 hours of flight. Cost per hour Wet/Dual at Wayman Flight School $159/$218. Cost per hour Wet/Dual at Dean Flight School - Piper Arrow = $145/$186, all other aircraft $235/276. Prerequisites: FAA Commercial Certificate or ATP and Current FAA 1st Class Medical Certificate; co-requisite: ATT 2131. Special fee. (3 hr. lecture)

**MIAMI DADE COLLEGE
EIG-WATSON SCHOOL OF AVIATION**

Professional Pilot Technology (Program code: 26029)

General Education Requirements - 19 Credits		
ENC1101	English Composition	3 credits
SPC1017	Speech	3 credits
PHI2604	Critical Thinking and Ethics	3 credits
CLP1006	Psychology of Personal Effectiveness	3 credits
CGS1060C	Intro to Microcomputer	4 credits
	(or take computer competency test)	
MAC1105	College Algebra	3 credits

Aviation Requirements		
ASC1210	Aviation Meteorology	3 credits
ASC1550	Aerodynamics	3 credits
ASC1610	Aircraft Engines and Structure	3 credits
ASC2320	Aviation Laws and Regulations	3 credits
ASC2470	Physiology/Psychology of Flight	3 credits
ASC2670	Aircraft Systems	3 credits
ATF2210	Commercial Pilot Flight	3 credits
ATF2305	Instrument Pilot Flight	3 credits
ATT1100	Private Pilot Theory	3 credits
ATT1101	Private Pilot Applications	3 credits
ATT2110	Commercial Pilot Theory	3 credits
ATT2120	Instruments Pilot Theory	4 credits
ATT2820	Air Traffic Control	3 credits

Major Course Electives – 9 credits		
ATF2400	Multi-Engine Pilot Flight	1 credit
ATF2501	Flight Instructor-Flight Training	3 credits
ATT2131	Flight Instructor Theory	3 credits
ATT2133	Multi-Engine Pilot Theory	2 credits
ATT2660	Regional Airline Operations	3 credits
ATT2821	Air Traffic Control (ATC) Radar	3 credits
ATT2822	VFR Tower Operations	3 credits
ATT2823	Air Traffic Control (ATC) Non-Radar	3 credits

Certified Flight Instructor (C6027) – 13 credits	
ATF2501	3 credits
ATF2501L	1 credit
ATT2131	3 credits
AVM1949	3 credits
AVM2949	3 credits

FAA Teaching Certificate	
ATT2822	3 credits
ATF2501	3 credits
ATT2823	3 credits
ATT2131	3 credits
ATT2821	3 credits

	Term 1 Fall	Term 2 Spring	Term 3 Summer	Term 4 Fall	Term 5 Spring	Term 6 Summer
Suggested Sequence – Professional Pilot Technology	ENC1101 ATT1100 ATT1101 MAC1105 ASC2320	ATT2110 ATT2120 ASC1610 ATT2820	ASC1210 SPC1017	ASC1550 ASC2470 ASC2670 ATT2131	CGS1060C* PHI2604 CLP1006 ATT2660 Elective	ATF2305 ATF2210
Total	15 credits	13 credits	6 credits	12 credits	13 credits	6 credits

	Term 1 Fall	Term 2 Spring	Term 3 Summer	Term 4 Fall	Term 5 Spring	Term 6 Summer
Suggested Sequence – Professional Pilot Technology with ATC option	ENC1101 ATT1100 ATT1101 ASC1210 ASC2320	ASC1550 ASC1610 ATF2305 ATT2120	ASC2470 ASC2670 ATT2110 ATF2210	PHI2604 MAC1105 SPC1017 ATT2820	ATT2821 ATT2822 ATT2823 CLP1006	CGS1060C*
Total	15 credits	12 credits	13 credits	12 credits	12 credits	4 credits

Approximate Costs: Instrument: $10,000+ Commercial: $20,000+ Multi-engine: $7,000+

Effective with the start of the Spring Term 2017, the private pilot course (ATF1100) is no longer offered at Miami-Dade College. The Private pilot certificate is a pre-requisite for pursuing the first flight course in the program, Instrument (ATF2305). Students with an FAA Private Pilot Certificate will be granted credit for Private Pilot Ground School courses (ATT1100, and ATT1101) in accordance with College Procedure 1100: 815701(B), please contact the Aviation Program Manager at 305-237-5900 for assistance with this request.

New Programs and Certificates (http://www.mdc.edu/academics/programs/default.aspx)

Effective: Spring 2016

Building Construction Specialist

College Credit Certificate | Code: 66025 | 18 credits | 1 year to complete

The Building Construction Specialist college credit certificate prepares students for entry in the construction field through acquisition of a basic understanding of drawings and construction estimating through curriculum and practical experiences. Following successful completion, students can obtain employment assisting in construction offices or job sites.

Effective: Fall 2016

Animation & Game Art

Associate in Science | Code: 25074 | 60 credits | 2 years to complete

The Animation & Game Art is an intensive hands on program in which students learn narrative structure along with technical skills required in the animation industry. Students learn character design and animation, 3D modeling, storyboarding and environment design. Graduates are prepared for entry level jobs as 3D artist and animators.

Effective: Fall 2016

Data Analytics

Bachelor of Science | Code: S5510 | 120 credits | 4 years to complete

The Bachelor of Science (BS) in Data Analytics program is designed to train and supply a workforce of skilled graduates in data manipulation and analysis across a spectrum of industries. Through the cross-disciplinary curriculum, students will learn to clean, organize, analyze, and interpret unstructured data, to derive knowledge and communicate discoveries using sophisticated visualization techniques. Students will demonstrate competence with fundamental algorithmic approaches to analyzing large data sets.

Effective: Fall 2016

Game Development & Design

Associate in Science | Code: 25075 | 60 credits | 2 years to complete

This curriculum allows students to explore the entertainment technology landscape while still pursuing a broad-based education. With an emphasis on game programming, the program exposes students to the development and design processes. Students can further specialize in game design, production, engines and systems, graphics programming and animation, mobile, and more.

Effective: Fall 2017

Audio Technology

College Credit Certificate | Code: 61000 | 15 credits | 16 weeks to complete

The Audio Technology College Credit Certificate (CCC) is designed for students who intend to seek employment within the music business industry as an alternative to the strictly traditional Music degree program. The Audio Technology college credit certificate combines a traditional music curriculum with industry-related courses and experiences. The curriculum stresses hands-on equipment use in sound engineering and recording, midi music creation, sound reinforcement methods and technologies, and computer applications.

Effective: Fall 2017

Computer Crime Investigation

Associate in Science | Code: 27028 | 60 credits | 2 years to complete

The Associate in Science (AS) in Computer Crime Investigation will prepare graduates with the education and skills needed to fulfill roles and positions in the Information Security industry. The coursework will include education and applied technical skills in the criminal justice and information security fields.

Effective: **Fall 2017**

Digital Forensics

College Credit Certificate | Code: 66055 | 24 credits | 1 year to complete

The College Credit Certificate (CCC) in Digital Forensics will prepare graduates with the education and skills needed to fulfill roles and positions in the Information Security industry. The coursework will include education and applied technical skills in the criminal justice and information security fields.

Effective: **Fall 2017**

Engineering Technology Support Specialist

College Credit Certificate | Code: 66052 | 18 credits | 1 year to complete

This program offers a sequence of courses that provides students with the relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster.

Effective: **Fall 2017**

Film Production Fundamentals

College Credit Certificate | Code: 61001 | 24 credits | 1 year to complete

The Film Production Fundamentals College Credit Certificate (CCC) is designed to prepare students for entry-level employment in the motion picture industry. Students will understand the fundamentals in the following skills: lighting, grip, camera, audio recording, and editing.

Effective: **Fall 2017**

Fire Fighter/Emergency Medical Technician - Combined

Career Technical Certificate | Code: 58000 | 25 credits | 1 year to complete

The Combined Fire Fighter/Emergency Medical Technician (EMT) certificate will prepare graduates with the technical skills needed fulfill roles and positions in the fire service and Emergency Medical Services (EMS) industry. The coursework will include applied technical skills in both firefighting and emergency medical services. The combined Fire Fighter/Emergency Medical Technician (EMT) certificate is for School of Justice students only.

Effective: **Fall 2017**

Graphic Design Support

College Credit Certificate | Code: 61002 | 15 credits | 16 weeks to complete

The Graphic Design Support College Credit Certificate (CCC) is designed to prepare students for initial employment as a graphic design assistant, graphic production artist, or to provide supplemental training for persons previously or currently employed in these occupations.

Effective: **Fall 2017**

Mechatronics

College Credit Certificate | Code: 66053 | 30 credits | 1 year to complete

This program offers students instruction in maintenance techniques, computer aided drafting/design skills, technical communications, maintenance and operation of various industrial components, quality control and testing, material handling protocols, and proper usage of tools and instrumentation.

Effective: **Fall 2017**

Rapid Prototyping Specialist

College Credit Certificate | Code: 66054 | 12 credits | 16 weeks to complete

This program provides students with the technical skills proficiency and competency-based applied learning that contributes to the academic and career knowledge for students entering the advanced manufacturing industry.

Effective: **Fall 2017**

Television Studio Production

College Credit Certificate | Code: 61003 | 12 credits | 16 weeks to complete

The Television Studio College Credit Certificate (CCC) is designed for students who intend to seek employment in radio, television and production companies, as well as allied fields such as in-house educational and industrial studios. The curriculum stresses hands-on equipment use in TV laboratories. Students will have access to high-end cameras, editing suites and video graphics animation facilities and will complete portfolio-quality productions.