

Date: April 10, 2014

To: Ivy Tech Community College

From: Gil A. Sinclair  
 Chair, College of Aviation  
 Phone: (269) 964-6993 E-mail: [gil.sinclair@wmich.edu](mailto:gil.sinclair@wmich.edu)

Subject: MoU between Western Michigan University College of Aviation and Ivy Tech Community College: Block Credit.

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Following the admission of applicants who have earned the required certificate program(s) Western Michigan University (WMU) will grant a 60 credit hour block\* in the **Aviation Maintenance Technology Bachelor Degree** for the following courses taken at the Ivy Tech Community College, 3800 N. Anthony Blvd., Fort Wayne, IN. The 60 credit hour block will be granted provided that all of the Ivy Tech coursework listed on page 2, **for the full Associate of Applied Science degree covering both Airframe and Powerplant Certification**, has been completed to the standard required for award of the appropriate Diploma(s) from Ivy Tech (samples attached). The completed Ivy Tech coursework will substitute for the WMU College of Aviation courses listed on page 3 and will transfer in as a 60 hour credit block. Transferable coursework is subject to WMU's standard for grade earned (minimum C grade) for transfer eligibility. The remaining courses required for graduation from WMU can be found on page 4.

NO CREDIT will be granted for individual courses.

**Students must submit to WMU Office of Admissions:**

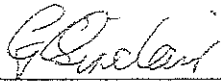
1. A completed admissions application and application fee.
2. Official Ivy Tech Community College AAS Airframe + Powerplant Certificate or AAS Powerplant + Airframe Certificate.
3. Request official transcript from Ivy Tech to be sent directly to WMU Office of Admissions.
4. A high school transcript (or transcript(s) of sufficient other college work) may be required by the admissions office in order to make an admission decision.

**SIGNATURE OF RESPONSIBLE AUTHORITIES AT THE COOPERATING INSTITUTIONS**

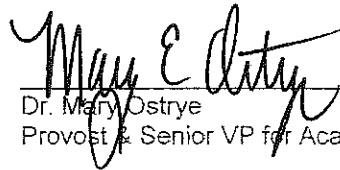
For Western Michigan University

For Ivy Tech Community College

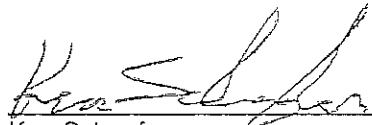
Signed:



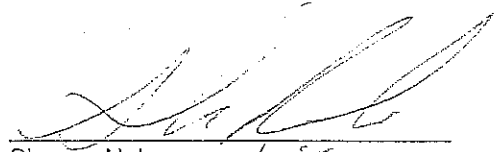
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 Gil Sinclair  
 Chair, WMU College of Aviation



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 Dr. Mary Ostrye  
 Provost & Senior VP for Academic Affairs



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 Ken Schaefer  
 Associate Director, Office of Admissions



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 Sheena Nolan  
 Program Chair, Aviation Maintenance Tech.

## IVY TECH COURSES

	Cr. Hrs.
AVIT 141 Aviation Basics I	2
AVIT 142 Aviation Basics II	3
AVIT 145 Aircraft Ground Servicing	2
AVIT 146 Aviation Regulations	2
AVIT 148 Aviation Materials and Processes	2
AVIT 144 Aircraft Electricity	4.5
AVIT 228 Aircraft Instruments and Avionics	3
AVIT 226 Airframe Electrical System	2.5
AVIT 241 Aircraft Fuel System and Welding Practices	3
AVIT 227 Aircraft Sheet Metal	7
AVIT 222 Non-Metallic Structures	4.5
AVIT 246 Aircraft Landing Gear Systems	4.5
AVIT 245 Aircraft Systems	2.5
AVIT 242 Aircraft Inspection and Rigging	4.5
AVIT 233 Powerplant Fuel and Induction Systems	2.5
AVIT 235 Powerplant Fluid and Induction Systems	2.5
AVIT 251 Engine Cooling and Exhaust	3.0
AVIT 232 Turbine Powerplants	7
AVIT 231 Reciprocating Powerplants	7
AVIT 237 Propellers	4.5
AVIT 252 Engine Install, Conformity and Ignition	2.5
AVIT 253 Engine Starting System	2.5

**TOTAL CREDIT HOURS    78.5**

## WMU COURSES

	Cr. Hrs.
AVS 1200 Introduction to Aviation	3
AVS 1220 Introduction to Airframe & Systems	2
AVS 1225 Introduction to Powerplant & Systems	2
AVS 2600 Standard Maintenance Practices	3
AVS 2610 Maintenance Regulations	2
AVS 2620 Aircraft Structures 1	3
AVS 2630 Basic Aircraft Engines	3
AVS 2640 Aircraft Electrical 1	3
AVS 2650 Aircraft Propellers	2
AVS 3600 Reciprocating Engine Overhaul	4
AVS 3620 Aircraft Structures 2	4
AVS 3630 Reciprocating Engine Systems	3
AVS 3640 Aircraft Electrical 2	4
AVS 3650 Non-Destructive Test	3
AVS 3660 Avionics	3
AVS 3670 Airframe Systems	4
AVS 3690 Test, Evaluation, and Instrumentation	3
AVS 4600 Aircraft Inspection & Airworthiness Certification	6
AVS 4640 Turbine Engine Systems	4
AVS 4730 Advanced Airframe Systems	3
AVS 4965 Advanced Maintenance Practices & Troubleshooting	5
AVS 4960 AMT Certification Preparation	1

TOTAL TRANSFER CREDITS    60

### CREDITS REQUIRED FOR GRADUATION FROM WMU

Remaining credits required for graduation is 66 (Aviation Maintenance Technology is a 126 credit program). 60 of these credits need to come from a four year institution; of those 60, 30 need to be earned at WMU and 10 of the last 30 credits earned must come from WMU.

Pre-/co-requisites	Cr. Hrs.
	2
AVS 1200	3
AVS 1200 & Jnr Standing	3
AVS 3670	3
Dept. Approval	3
AVS 3620 (C or better), CHEM 1100, CHEM 1110	3
	3
MATH 1110 or MATH 2000 (C or better), CHEM 1110 co-req.	3
MATH 1110 or MATH 2000 (C or better), CHEM 1100 co-req.	1
	3
ENGL 1000 or placement into college writing	3
MATH 1110 or placement	4
MATH 1100 or placement. PHYS 1080 co-req.	4
PHYS 1070 co-req.	1
MATH 2000	3
	3
	3
	3
	3
	2
	10

**TOTAL CREDITS    66**

Note: In addition, students who successfully complete COMM 101 (or COMM 102) and/or ENGL 111 at Ivy Tech may transfer one or both into WMU to substitute for COM 1700 and IME 1020 in the above list.