

# B.S. in Aviation Maintenance Science

## Year One

		Credits
AMS 115	Aviation Mathematics and Physics	2
AMS 116	Fundamentals of Electricity	4
AMS 117	Tools, Materials and Processes	4
AMS 118	Aircraft Familiarization and Regulations	2
COM 122	English Composition	3
COM 219	Speech	3
CS 120	Introduction to Computing in Aviation	3
MA 111	Pre-Calculus for Aviation	3
PSY 101	Introduction to Psychology	3
	Lower-Level Humanities Elective	3
<b>Credits Subtotal</b>		<b>30.0</b>
<b>Credits Total:</b>		<b>30.0</b>

## Year Two

		Credits
AMS 261	Aircraft Metallic Structures	3
AMS 262	Aircraft Composite Structures	3
AMS 263	General Aviation Aircraft Systems	3
AMS 264	General Aviation Aircraft Electrical and Instrument Systems	3
AMS 365	Transport Category Aircraft Systems	3
AMS 366	Transport Category Aircraft Electrical and Instrument Systems	3
AMS 271	Aircraft Reciprocating Powerplant and Systems	3
AMS 272	Powerplant Electrical and Instrument Systems	3
MA 112	Applied Calculus for Aviation	3
PS 113	Introductory Physics I	3
<b>Credits Subtotal</b>		<b>30.0</b>
<b>Credits Total:</b>		<b>30.0</b>

## Year Three

		Credits
AMS 273	Propeller Systems	2
AMS 274	Aircraft Turbines Powerplants and Systems	4
AMS 375	Repair Station Operations	3
AMS 376	Powerplant Line Maintenance	3
COM 221	Technical Report Writing	3
PS 117	Introductory Physics II	3
SF 201	Introduction to Safety and Health	3
or SF 210	Introduction to Aerospace Safety	
SF 205	Principles of Accident Investigation	3
SF 315	Environmental Compliance and Safety	3
SF 330	Aircraft Accident Investigation	3
	HU/SS Lower or Upper Level Elective	3
<b>Credits Subtotal</b>		<b>33.0</b>
<b>Credits Total:</b>		<b>33.0</b>

## Year Four

		Credits
AMSA 490	Aviation Technical Operations	3
SF 316	Loss Control and Risk Management	3
SF 320	Human Factors in Aviation Safety	3

SF 335	Mechanical and Structural Factors in Aviation Safety	3
or SF 435	Aircraft Crash Survival Analysis and Design	
SF 345	Safety Program Management	3
SF 365	Fire Protection	3
SF 375	Propulsion Plant Investigation	3
SF 462	Health, Safety, and Aviation Law	3
	Upper-Level Humanities or Social Science Elective	3
	Upper-Level Open Electives	6
<b>Credits Subtotal</b>		<b>33.0</b>
<b>Credits Total:</b>		<b>33.0</b>