



PROGRAM PLANNER - 2021

Name:  
ID#:

Major: **PROFESSIONAL DIRECTED STUDIES**  
**SMAT Airframe & Powerplant Mechanics**

Degree: **BACHELOR OF SCIENCE**

TOTAL HOURS REQUIRED FOR THE DEGREE: 126

BIBLICAL EDUCATION (30 hrs)		HRS	GR	TR
<b>Bible (18 hrs)</b>				
BI115	Bible Study/Hermeneutics (3 hrs)			
BI121	Old Testament Survey I (3 hrs)			
BI122	Old Testament Survey II (3 hrs)			
BI130	New Testament Survey (3 hrs)			
BI343	Genesis (3 hrs)			
<b>Choose 1:</b>				
BI224	John <b>OR</b> (3 hrs)			
BI334	Romans (3 hrs)			
<b>Theology (12 hrs)</b>				
TH111	Evangelism/Spiritual Life (3 hrs)			
TH220	Systematic Theology I (3 hrs)			
TH221	Systematic Theology II (3 hrs)			
TH222	Systematic Theology III (3 hrs)			
<b>HOURS COMPLETED:</b>		<b>0</b>		
<b>HOURS NEEDED:</b>		<b>30</b>		

GENERAL EDUCATION (36 hrs)		HRS	GR	TR
<b>COMMUNICATIONS (10 hrs)</b>				
<b>Required:</b>				
COM110	Written Research Practicum (1 hr)			
EN112	College Composition I (3 hrs)			
EN113	College Composition II (3 hrs)			
<b>Communications Elective: (Choose 1)</b>				
	(3 hrs)			
<b>HUMANITIES (13 hrs)</b>				
<b>Required:</b>				
RP100	Developing a Biblical Worldview (1 hr)			
<b>Fine Arts: (Choose 1)</b>				
MU110	Music Appreciation <b>OR</b> (3 hrs)			
TA341	Christ & Creativity (3 hrs)			
<b>Literature: (Choose 1 or 2)</b>				
	(3 hrs)			
	(3 hrs)			
<b>History: (Choose 1 or 2)</b>				
	(3 hrs)			
	(3 hrs)			
<b>NATURAL SCIENCES / MATH (9 hrs)</b>				
<b>Required:</b>				
MA100	College Mathematics I (3 hrs)			
PE110	Lifetime Fitness (1 hr)			
<b>Science: (Choose 5 hrs - class + lab)</b>				
<b>SOCIAL / BEHAVIORAL SCIENCES (4 hrs)</b>				
<b>Required:</b>				
GE100	College Life Seminar (1 hr)			
<b>Social Sciences: (Choose 1)</b>				
	(3 hrs)			
<b>HOURS COMPLETED:</b>		<b>0</b>		
<b>HOURS NEEDED:</b>		<b>36</b>		

PROFESSIONAL EDUCATION (60 hrs)		HRS	GR	TR
<b>Missions/ Ministry Core (3 hrs)</b>				
IC111	Intro to Christian Missions (3 hrs)			
<b>Major (57 hrs)</b>				
<i>* In association with the School of Missionary Aviation Technology</i>				
<i>**See PDS Advisor for Professional Education courses</i>				
<b>Mechanics Courses</b>		<b>Hrs</b>	<b>CR</b>	<b>GR</b>
AVG 140	Basic Electricity	81		
AVG 141	Aircraft Drawings	36		
AVG 142	Weight & Balance	40		
AVG 143	Fluid Lines & Fittings	27		
AVG144	Materials & Processes	81		
AVG 145	Ground Operations & Servicing	30		
AVG 146	Cleaning & Corrosion Control	38		
AVG 147	Mathematics	16		
AVG 148	Regulations & Publications	35		
AVG 149	Basic Physics	16		
AVA 150	Sheet Metal & Nonmetallic Struc	158		
AVA 151	Aircraft Coverings & Finishes	48		
AVA 152	Welding	45		
AVA 153	Assembly & Rigging	63		
AVA 154	Airframe Inspection	27		
AVA 155	Aircraft Landing Gear Systems	84		
AVA 156	Hydraulic & Pneumatic Systems	72		
AVA 157	Cabin Atmospheric Control	30		
AVA 158	Aircraft Instrument Systems	18		
AVA159	Comm & Navigation Systems	18		
AVA 160	Aircraft Fuel Systems	36		
AVA 161	Aircraft Electrical Systems	105		
AVA 162	Position & Warning Systems	21		
AVA 163	Ice & Rain Control	12		
AVA 164	Fire Protection Systems	13		
AVA 170	Reciprocating Engines	238		
AVA 171	Turbine Engines & Aux Power	57		
AVA 172	Engine Inspection	12		
AVA 173	Engine Instrument Systems	18		
AVA 174	Engine Fire Protection Systems	5		
AVA 175	Engine Electrical Systems	69		
AVA 176	Lubrication Systems	60		
AVA 177	Ignition & Starting Systems	90		
AVA 178	Fuel Metering Systems	69		
AVA 179	Engine Fuel Systems	12		
AVA 180	Eng Induction, Airflow, & Cool	24		
AVA 181	Engine Exhaust & ReverserS Sys	18		
AVA 182	Propellers & Unducted Fans	78		
	Subtotal	1900		
<b>Conversion to Semester Hours</b>				
<b>1900 / 45 = 42 (rounded down)</b>				
<b>HOURS COMPLETED:</b>		<b>0</b>		
<b>HOURS NEEDED:</b>		<b>42</b>		

TRANSFER CREDIT FROM:	HRS
<b>Total Transfer Hours:</b>	<b>0</b>

PROFESSIONAL EDUCATION (60 hrs)		HRS	GR	TR			
<b>Major (57 hrs)</b>							
<i>* In association with the School of Missionary Aviation Technology</i>							
<i>**See PDS Advisor for Professional Education courses</i>							
<b>Aviation Flight Training</b>	<b>Dual Airplane</b>	<b>Solo Airplane</b>	<b>Simulator</b>	<b>Flight Hrs</b>	<b>Ground Hrs</b>	<b>Total Hrs</b>	<b>Credits</b>
<b>Module 1</b>							
Private Pilot Certification	37.2	19.7	1	57.9	120	177.9	
<b>Module 2</b>							
VFR Cross Country Experience	7.0	13.0	1.0	21.0	36	57	
High Performance Transition	14.6	1.4	1.0	17.0	36	53	
Complex Transition	14.6	1.4	1.0	17.0	36	53	
<b>Module 3</b>							
Tailwheel Transition	18.5	1.5	1.0	21.0	24	45	
High Performance Proficiency	10.4	5.6	1.0	17.0	24	41	
Complex Proficiency	10.0	9.0	1.0	20.0	24	44	
<b>Module 4</b>							
Advanced VFR Cross Country	16.0			16.0	24	40	
Instrument Certification	26.8	5.6	22.6	55.0	90	145	
Commercial Pilot Certification	13.8	11.2		25.0	16	41	
<b>Totals</b>	<b>168.9</b>	<b>68.4</b>	<b>29.6</b>	<b>266.9</b>	<b>430</b>	<b>696.9</b>	
<b>Conversion to Semester Hours</b>							
<b>696.9 / 45 = 15 (rounded down)</b>							
<b>HOURS COMPLETED:</b>		<b>0</b>					
<b>HOURS NEEDED:</b>		<b>15</b>					

<b>TOTAL HRS COMPLETED:</b>	<b>0</b>
<b>TOTAL HRS NEEDED:</b>	<b>126</b>

<b>CM099</b>	<b>Christian Ministry</b>
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