

LIBERTY

UNIVERSITY™

School of Aeronautics

Aviation Maintenance Technician Program

Curriculum Subject Areas

		<u>Subject Area</u>	<u>FAA Reference</u> (14 CFR 147)	<u>Hours Offered</u>		
				"total"	"class"	"lab"
G E N E R A L		Mathematics	(App. B. h.)	22	12	10
		Basic Physics	(App. B. j.)	18	12	6
		Weight and Balance	(App. B. c.)	36	20	16
		Fundamental Electrical Theory	(App. B. a.)	86	52	34
		Aircraft Drawings	(App. B. b.)	40	20	20
		Maintenance Documents and Regulations	(App. B. i., k., l.)	52	20	32
		Materials and Processes	(App. B. e.)	66	38	28
		Cleaning and Corrosion Control	(App. B. g.)	40	18	22
		Fluid Lines and Fittings	(App. B. d.)	20	12	8
		Ground Operations and Servicing	(App. B. f.)	20	12	8
A I R F R A M E		Cabin Atmosphere Control Systems	(App. C. II. c.)	14	10	4
		Communication and Navigation Systems	(App. C. II. e.)	14	10	4
		Aircraft Fuel Systems	(App. C. II. f.)	38	16	22
		Aircraft Instrument Systems	(App. C. II. d.)	14	8	6
		Aircraft Fire Protection Systems	(App. C. II. j.)	18	8	10
		Ice and Rain Control Systems	(App. C. II. i.)	12	6	6
		Position and Warning Systems	(App. C. II. h.)	20	8	12
		Aircraft Electrical Systems	(App. C. II. g.)	104	44	60
		Sheet Metal Structures	(App. C. I. d.)	98	32	66
		Non-Metallic Structures	(App. C. I. a., d.)	64	30	34
		Aircraft Welding	(App. C. I. e.)	52	22	30
		Aircraft Covering	(App. C. I. b.)	36	12	24
		Aircraft Finishes	(App. C. I. c.)	40	18	22
		Assembly and Rigging	(App. C. I. f.)	34	18	16
	Airframe Inspection	(App. C. I. g.)	54	18	36	
	Aircraft Hydraulic and Pneumatic Systems	(App. C. II. b.)	90	44	46	
	Landing Gear Systems	(App. C. II. a.)	48	18	30	
P O W E R P L A N E		Reciprocating Engines	(App. D. I. a., c.)	160	38	122
		Engine Electrical Systems	(App. D. II. c., e.)	140	58	82
		Engine Fuel Systems	(App. D. II. f., g.)	80	40	40
		Lubrication Systems	(App. D. II. d.)	32	14	18
		Engine Cooling Systems	(App. D. II. i.)	22	10	12
		Engine Exhaust Systems	(App. D. II. j.)	20	10	10
		Induction Systems	(App. D. II. h.)	20	10	10
		Engine Instrument Systems	(App. D. II. a.)	32	8	24
		Engine Fire Protection Systems	(App. D. II. b.)	20	8	12
		Propeller Systems	(App. D. II. k.)	64	30	34
	Turbine Engines	(App. D. I. b, c; II. l, m.)	160	44	116	

This list represents the FAA Subject Areas (material) to be covered within the context of the Liberty University courses taken for licensure.