



ccaa

**Canadian Council For
Aviation and Aerospace**

Building tomorrow's workforce today

Aircraft Maintenance Technician / Basic Theory Training



The Canadian Council for Aviation & Aerospace (CCAA) is pleased to offer a new pathway towards Transport Canada AME licensing. Participants can now complete CCAA online basic theory training, which in conjunction with the required practical training and experience hours affords the user the right to take the Transport Canada technical and regulatory exams. For more information on Transport Canada aircraft maintenance engineer licenses please visit the Transport Canada website.

CCAA online basic theory training is fully asynchronous and available 24/7, allowing participants to complete courses at their own pace and at times convenient to them.

Curriculum

#	Course Code	Maintenance Program Courses	#	Course Code	Maintenance Program Courses
1	ATC 101	Safe Practices I	26	ATC 206	Math II
2	ATC 102	Safe Practices II	27	ATC 207	Physics I
3	ATC 121	CARS I	28	ATC 208	Physics II
4	ATC 103	Physics of the Atmosphere	29	ATC 201	Workshop Practices
5	ATC 111	Theory of Flight I	30	ATC 290	Hazards in the Workplace
6	ATC 112	Theory of Flight II	31	ATC 210	General Human Factors
7	ATC 113	Aircraft Weight and Balance	32	ATC 280	Human Error
8	ATC 104	Flight Stability and Dynamics	33	ATC 220	Human Performance and Limitations
9	ATC 114	Tools and Equipment	34	ATC 240	Factors Affecting Performance
10	ATC 115	Aircraft Hardware I	35	ATC 230	Social Psychology
11	ATC 116	Aircraft Hardware II	36	ATC 270	Communication
12	ATC 110	Technical Documents	37	ATC 260	Job Tasks
13	ATC 108	Materials I Ferrous	38	ATC 250	Physical Environment
14	ATC 109	Materials II Non-Ferrous	39	ATC 204	Riveting
15	ATC 117	Corrosion I	40	ATC 216	Aircraft Composites I
16	ATC 105	Airframe Structures I - General	41	ATC 212	Pipes and Unions
17	ATC 106	Airframe Structures II - Methods	42	ATC 214	Pipes and Hoses
18	ATC 107	Airframe Structures III - Airframe	43	ATM 200	Analog Electronics I
19	ATC 118	Aircraft Maintenance I	44	ATM 201	Analog Electronics II
20	ATC 119	Aircraft Maintenance II	45	ATM 202	Analog Electronics III
21	ATC 120	Aircraft Maintenance III	46	ATM 203	Analog Electronics IV
22	ATC 122	CARS II	47	ATM 235	Wiring Practices I
23	ATC 123	CARS III	48	ATM 236	Wiring Practices II
24	ATC 124	CARS IV	49	ATM 204	Basic Digital I
25	ATC 205	Math I	50	ATM 229	Electrical General Test Equipment

Curriculum

#	Course Code	Maintenance Program Courses	#	Course Code	Maintenance Program Courses
51	ATM 223	Electrical Wiring Interconnection System (EWIS) I	76	ATM 321	Piston Engine Indicating Systems
52	ATM 226	Electrical Wiring Interconnection System (EWIS) II	77	ATM 322	Piston Engine Powerplant Installation
53	ATM 227	Electrical Wiring Interconnection System (EWIS) III	78	ATM 323	Piston Engine Monitoring Practices
54	ATM 228	Electrical Wiring Interconnection System (EWIS) IV	79	ATM 324	Piston Engine Storage and Preservation
55	ATM 241	Instruments I	80	ATM 341	Piston Engine Ground Operation and Checks
56	ATM 242	Instruments II	81	ATM 325	Basic and Advanced Ultralight Aeroplane Engines
57	ATM 243	Instruments III	82	ATM 319	Electrical Power
58	ATM 231	Communications I	83	ATM 316	Avionics - Navigation
59	ATM 232	Communications II	84	ATM 342	Avionics - Installation/Inspection and System Troubleshooting
60	ATM 233	Communications III	85	ATM 312	Integrated Modular Avionics and Aircraft Information Systems
61	ATM 210	Auto Flight Systems	86	ATM 307	Aircraft Lights
62	ATM 221	Bearings I	87	ATM 318	Flight Control
63	ATM 222	Bearings II	88	ATM 313	Cabin Systems
64	ATM 300	Fuel Systems I	89	ATM 304	Ice and Rain Protection
65	ATM 301	Fuel Systems II	90	ATM 310	Water and Waste Systems
66	ATM 302	Hydraulic Power I	91	ATM 308	Oxygen Systems
67	ATM 303	Hydraulic Power II	92	ATM 309	Pneumatics
68	ATM 326	Piston Engine Fundamentals	93	ATM 317	Fire Protection
69	ATM 327	Piston Engine Performance	94	ATM 306	Wheels and Brakes
70	ATM 328	Piston Engine Construction	95	ATM 340	Transmission Maintenance
71	ATM 329	Piston Engine Fuel Systems	96	ATM 305	Landing Gear
72	ATM 330	Piston Engine Ignition Systems	97	ATM 311	Onboard Maintenance Systems
73	ATM 331	Piston Engine Induction, Exhaust and Cooling Systems	98	ATM 339	Abnormal Events
74	ATM 333	Piston Engine Lubricants and Fuels	99	ATM 315	Air Conditioning and Cabin Pressurization
75	ATM 334	Piston Engine Lubrication Systems	100	ATM 320	Windows & Lenses

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#	Course Code	Maintenance Program Courses	#	Course Code	Maintenance Program Courses
101	ATM 335	Welding, Brazing and Soldering	126	ATT 413	Gas Turbine Turboprop/Turboshaft Engines
102	ATM 336	Control Cables and Rigging	127	ATT 429	Gas Turbine Engine Performance
103	ATH 402	Helicopter Systems I - Fire Protection and Fuel	128	ATT 431	Gas Turbine Inlet and Augmentation Systems
104	ATH 406	Helicopter Systems II - Ice and Rain, Pneumatic/Vacuum, Air Conditioning	129	ATT 433	Gas Turbine Compressors
105	ATH 410	Helicopter Systems III - Lights, Instruments, Information Systems and Electrical Power	130	ATT 435	Gas Turbine Combustion Section
106	ATH 436	Helicopter Equipment and Furnishings	131	ATT 437	Gas Turbine Section
107	ATH 404	Helicopter Hydraulic Power	132	ATT 439	Gas Turbine Exhaust
108	ATH 408	Helicopter Landing Gear	133	ATT 417	Gas Turbine Fire Protection and Auxiliary Power Units (Apus)
109	ATH 422	Helicopter Flight Control Systems	134	ATT 443	Gas Turbine Lubricants and Fuels
110	ATH 428	Helicopter Airframe Structures	135	ATT 401	Gas Turbine Lubrication System
111	ATH 420	Helicopter Aerodynamics	136	ATT 403	Gas Turbine Fuel Systems
112	ATH 418	Helicopter Track and Balance	137	ATT 405	Gas Turbine Air Systems
113	ATH 430	Helicopter Blades	138	ATT 407	Gas Turbine Starting and Ignition Systems
114	ATH 424	Helicopter Hubs	139	ATT 409	Gas Turbine Engine Indicating Systems
115	ATH 426	Helicopter Transmissions	140	ATT 425	Gas Turbine Engine Monitoring and Ground Operation
116	ATH 412	Helicopter Vibration Fundamentals I	141	ATT 419	Gas Turbine Powerplant Installation
117	ATH 416	Helicopter Vibration Fundamentals II	142	ATT 427	Gas Turbine Engine Storage and Preservation
118	ATP 404	Propeller Construction			
119	ATP 402	Propeller Fundamentals			
120	ATP 406	Propeller Pitch Control			
121	ATP 408	Propeller Synchronizing			
122	ATP 410	Propeller Ice Protection			
123	ATP 412	Propeller Maintenance			
124	ATP 414	Propeller Storage and Preservation			
125	ATT 421	Gas Turbine Fundamentals			