# M250 2023 Class Schedule

| Course/Code | Days | Objectives | Topics of Discussion | 2023 Classes |
|---|---|---|---|---|
| All Series M250 Engine Familiarization | 2 | Upon completion of this course each student will be able to identify variants of the M250 engine, and the sub-components thereof. Additionally, students will become familiar with the engines operating principles, servicing requirements and limitations. | Principles of turbine engine operation<br>Variant identification<br>Component identification and materials<br>Engine module design principles<br>Engine systems and operation<br>Introduction to maintenance publications | January 11-12, 2023<br>May 24-25, 2023<br>August 30-31, 2023 |
| M250 Series II/IV Heavy Maintenance | 10 | Upon completion of this course each student will be familiar with line maintenance activities covered in the M250 Maintenance Course. Additionally, students will participate in disassembly of the modules beyond field maintenance levels to accommodate in-depth understanding of design features unique to the M250 engine. Abbreviated overhaul disassembly/reassembly procedures will be utilized to develop student confidence and abilities. Extensive student/instructor interaction is encouraged to develop a level of understanding that will significantly enhance troubleshooting skills. Students attending the Heavy Maintenance Course will be provided an opportunity to tour the manufacturing and production assembly areas unless plant operations at the time of the course preclude this activity. | • See 'M250 Maintenance' items<br>Remove and replace:<br>• All engine modules<br>• Subcomponents required for field maintenance procedures<br>• Disassemble major module subcomponents | II<br>April 17-28, 2023<br>October 9-20, 2023<br><br>IV<br>March 6-17, 2023<br>June 19-30, 2023<br>December 4-15, 2023 |
| M250 Series IV C40,C47,C30R/3 Engine Maintenance | 5 | Upon completion of this course each student will be familiar with line maintenance activities outlined in the appropriate Operation and Maintenance Manual for the engine variant designated by the student. Exposure to relevant inspection techniques, special tooling, engine-specific procedures and maintenance publications will be provided in classroom and laboratory environments | Principles of turbine engine operation<br>• Engine module design principles<br>• Component identification and materials<br>• Engine systems and operation<br>• M250 maintenance publications<br>• Relevant M250 service bulletins and service letters<br>Remove and replace:<br>• All engine modules and accessories<br>• Subcomponents required for field maintenance procedures | February 6-10, 2023<br>July 10-14, 2023 |

# M250 2021-2022 Class Schedule

| Course/Code | Days | Objectives | Topics of Discussion | 2023 Classes |
|---|---|---|---|---|
| M250 C47E/4 Engine Maintenance | 5 | Upon completion of this course each student will be familiar with line maintenance activities outlined in the appropriate Operation and Maintenance Manual for the engine variant designated by the student. Exposure to relevant inspection techniques, special tooling, engine-specific procedures and maintenance publications will be provided in classroom and laboratory environments | Principles of turbine engine operation<br>• Engine module design principles<br>• Component identification and materials<br>• Engine systems and operation<br>• M250 maintenance publications<br>• Relevant M250 service bulletins and service letters<br>Remove and replace:<br>• All engine modules and accessories<br>• Subcomponents required for field maintenance procedures | C47E/4 FADEC<br>June 5-9, 2023<br>September 25-29, 2023<br>October 30-Nov 3, 2023 |
| All M250 Series II/T63 Engine Maintenance | 5 | Upon completion of this course each student will be familiar with line maintenance activities outlined in the appropriate Operation and Maintenance Manual for the engine variant designated by the student. Exposure to relevant inspection techniques, special tooling, engine-specific procedures and maintenance publications will be provided in classroom and laboratory environments. | • Principles of turbine engine operation<br>• Engine module design principles<br>• Component identification and materials<br>• Engine systems and operation<br>• M250 maintenance publications<br>• Relevant M250 service bulletins and service letters | February 20-24, 2023<br>September 11-15, 2023 |

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