

Bachelor of Aircraft Maintenance Engineering (2.5+2)

| | Course Code | Course Name | Pre-R | Co-R | Credit Hours | Contact Hours | Course Type |
|----------------|-------------|---------------------------------------|-------|------|--------------|---------------|-------------|
| Semester 1 | MATH100 | Calculus I | | | 3 | 3 | SM |
| | BMGT110 | Management Principles | | | 3 | 3 | PM |
| | AVIA300 | Introduction to Computer Applications | | | 3 | 3 | PM |
| | ENGL100 | Speech and Presentation Skills | | | 3 | 3 | SM |
| | AVIA310 | Aviation and Airport Security | | | 3 | 3 | PM |
| Semester Total | | | | | 15 | 15 | |

| | | | | | | | |
|----------------|---------|--------------------------------|---------|--|----|----|-----|
| Semester 2 | BMIS110 | Business Computer Applications | AVIA300 | | 3 | 3 | PM |
| | AVIA421 | Project Management | | | 3 | 3 | PM |
| | BHRM330 | Organizational Behavior | BMGT110 | | 3 | 3 | PM |
| | AVIA331 | Aerospace Material Study | | | 3 | 3 | PM |
| | | University Elective 1 | | | 3 | 3 | UEL |
| Semester Total | | | | | 15 | 15 | |

| | | | | | | | |
|----------------|---------|---|---------|--|----|----|-----|
| Semester 3 | AVIA420 | Aviation Legislation | | | 2 | 2 | SM |
| | ENGL110 | Technical Writing | ENGL100 | | 3 | 3 | SM |
| | MECH120 | Engineering Drawings | | | 1 | 3 | PM |
| | AVIA408 | Introduction to Reliability Engineering and Data Analysis | | | 3 | 3 | PM |
| | AVIA330 | Aero Gas Turbine Technology | | | 3 | 3 | PM |
| | | School Elective 1 | | | 3 | 3 | SEL |
| Semester Total | | | | | 15 | 17 | |

| | | | | | | | |
|----------------|---------|-----------------------------------|--------------------|--|----|----|-----|
| Semester 4 | AVIA422 | Management Information Systems | BMGT110 BMIS110 | | 3 | 3 | PM |
| | AVIA411 | Aircraft Accident Investigation | | | 3 | 3 | PM |
| | MECH201 | Preventive Maintenance Techniques | | | 3 | 3 | PM |
| | MECH320 | 3D – CAD Modeling | MECH120 | | 3 | 3 | PM |
| | | School Elective 2 | | | 3 | 3 | SEL |
| Semester Total | | | | | 15 | 15 | |
| Program Total | | | | | 60 | 62 | |

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University Elective Courses

The Bachelor of Aircraft Maintenance Engineering Program students select only one University elective.

| Course Code | Course name | Credit Hours | Contact Hours | Available for the Program |
|-------------|---|--------------|---------------|---------------------------|
| BACC110 | Financial Accounting | 3 | 3 | Yes |
| AHUM303 | Social Organization | 3 | 3 | Yes |
| AHUM304 | Social and Cultural Change | 3 | 3 | Yes |
| AIEN120 | Computer Programming | 3 | 3 | Yes |
| ENGL300 | Advanced English | 3 | 3 | Yes |
| BMIS110 | Business Computer Applications | 3 | 3 | Yes |
| BMGT350 | Business Law | 3 | 3 | Yes |
| BMGT351 | International Law | 3 | 3 | Yes |
| AVIA320 | Leadership in organization | 3 | 3 | Yes |
| AVIA332 | Non Destructive Testing Technique (NDT) | 3 | 3 | Yes |
| STAT200 | Probability and Statistics | 3 | 3 | Yes |

College Electives

The Bachelor of Aircraft Maintenance Engineering students select only two school electives.

| Course Code | Course name | Pre-R | Credit Hours | Contact Hours | Available for the program |
|-------------|---|-------|--------------|---------------|---------------------------|
| AVIA321 | Airline Operations and Quality Management | 3 | 3 | SEL | Yes |
| AVIA302 | Aviation History | 3 | 3 | SEL | Yes |
| AVIA322 | Sustainable Aviation | 3 | 3 | SEL | Yes |
| AVIA303 | Aviation Internship | 3 | 3 | SEL | Yes |
| AVIA 414 | Human Factor and Error Management | 3 | 3 | SEL | Yes |
| AVIA332 | Aerodynamics I | 3 | 3 | SEL | Yes |
| AVIA 434 | Aircraft Maintenance Program Development and Optimization | 3 | 3 | SEL | Yes |
| AVIA 435 | Introduction to Aircraft Structural Analysis | 3 | 3 | SEL | Yes |