

Course details 课程详情

Bachelor of Engineering Program 工程学士课程

Major: Aircraft Maintenance Engineering 专业: 飞机维修工程

New curriculum 2019 2019 年新课程

| | |
|---|---|
| Name of a higher education institution 高等教育机构名称 | Bangkok Thonburi University 曼谷吞武里大学 |
| Campus/ Faculty/Field of Study 校园/学院/研究领域 | Faculty of Engineering 工程学部 Major: Aircraft Maintenance Engineering 专业: 飞机维修工程 |

Section 1. General information 第 1 节 一般信息

1. Code and name of course 课程代码和名称

| | |
|---------|---|
| 中文 | 飞机维修工程学士学位课程 |
| English | Bachelor of Engineering Program in Aircraft Maintenance Engineering |

2. Degree name and field of study 学位名称和研究领域

| | |
|---------|--|
| 中文 | 全名工学学士（飞机维修工程） 缩写名称: B.Eng.（飞机维修工程） |
| English | Full name: Bachelor of Engineering (Aircraft Maintenance Engineering) Abbreviation: B.Eng. (Aircraft Maintenance Engineering) |

3. Major 主要的

-

4. Number of credits studied throughout the course 整个课程学习的学分数

150 credits 学分

5. Format of the course 课程形式

5.1 Format 格式

It is a bachelor's degree level course. 这是学士学位水平的课程。

Academic 学术的

Professional or operational 专业或操作性

3.1 Course 课程

| | | |
|---|------------|------------------------|
| 3.1.1 The total number of credits throughout the program is 整个课程的总学分是 | 150 | credit 学分 学分 |
| 3.1.2 Course structure 课程结构 | | |
| 1. General education subjects 通识教育科目 | 30 | credits 学分 |
| 1.1 Language subject group 语言学科组 | 12 | |
| 1.2 Humanities subject group 人文学科组 | 6 | |
| 1.3 Social Science Subject Group 社会科学学科组 | 6 | |
| 1.4 Science and Mathematics subject group 科学和数学学科组 | 6 | |
| 2. Specific subject categories 具体学科类别 | 114 | credits 学分 |
| 2.1 Basic subjects 基础科目 | | 42 |
| 2.1.1 Basic mathematics and science subject group 基础数学和科学学科组 | 21 | |
| 2.1.2 Basic engineering and professional subjects group 基础工程及专业学科组 | 21 | |
| 2.2 Specialized subjects 专业科目 | 72 | |
| 2.2.1 Engineering subject group 工程学科组 | 66 | |
| 2.2.2 Engineering elective subjects group 工程选修科目组 | 6 | credits 学分 |
| 3. Free elective courses 免费选修课 | | 6 credits 学分 |

Choose to study any course in the Bangkok Thonburi University curriculum. Without repeating the courses that have been studied before, there must not be a course that is required to be taken without credits included in the curriculum completion criteria for this field of study. It is designated as a subject related to aircraft maintenance engineering.

选择学习曼谷吞武里大学课程中的任何课程。在不重复以前学习过的课程的情况下，不得要求修读该领域课程结业标准中未包含学分的课程。它被指定为与飞机维修工程相关的学科。

3.1.4 Study Plan Plan 学习计划计划

Year 1, Semester 1 第一年第一学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|------------------|--|--|
| GE 101 | Everyday English 日常英语 | 3(2-2-5) |
| GT 103 | Thai language for communication 泰语用于交流 | 3(3-0-6) |
| GS 105 | Society, economy, politics, and the world community 社会、经济、政治和国际社会 | 3(3-0-6) |
| GA 102 | Principles of Statistics 统计学原理 | 3(3-0-6) |
| EI 201 | Calculus 1 微积分 1 | 3(3-0-6) |
| EI 204 | Physics 1 物理 1 | 3(3-0-6) |
| EI 205 | Physics Lab 1 物理实验室 1 | 1(0-3-2) |
| ME 101 | Engineering drawing 工程制图 | 3(2-3-4) |
| Total 全部的 | | 22(19-8-41) |

Year 1 , Semester 2 第一年第二学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|--------------------|--------------------------------|--|
| GH 101 | Ethics and life skills 道德和生活技能 | 3(3-0-6) |
| GE 102 | English for communication 沟通英语 | 3(2-2-5) |
| GS 107 | General Economics 普通经济学 | 3(3-0-6) |
| EI 202 | Calculus 2 微积分 2 | 3(3-0-6) |
| EI 206 | Physics 2 物理 2 | 3(3-0-6) |
| EI 207 | Physics Lab 2 物理实验室 2 | 1(0-3-2) |
| EI 208 | Chemistry 化学 | 3(3-0-6) |
| EI 209 | Chemistry Lab 化学实验室 | 1(0-3-2) |
| Total 全部的 | | 20(17-8-39) |

Year 2 Semester 1 第二年第一学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|--------------------|--|--|
| GE 202 | English for careers 职业英语 | 3(2-2-5) |
| GC 102 | Science, technology, and environment for life 科学技术与生命环境 | 3(3-0-6) |
| EI 203 | Calculus 3 微积分 3 | 3(3-0-6) |
| ME 102 | Engineering Mechanics 1 工程力学 1 | 3(3-0-6) |
| ME 103 | Engineering Materials 工程材料 | 3(3-0-6) |
| ME 105 | Thermodynamics 热力学 | 3(3-0-6) |
| AM 101 | Technical English for Aircraft 飞机技术英语 | 3(3-0-6) |
| Total 全部的 | | 21(19-2-41) |

Year 2 Semester 2 第二年第二学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|--------------------|--|--|
| GH 107 | Modern Leadership and Management 现代领导与管理 | 3(3-0-6) |
| ME 106 | Fluid Mechanics 流体力学 | 3(3-0-6) |
| ME 107 | Mechanics of Materials 材料力学 | 3(3-0-6) |
| AM 301 | Special tools for general technicians 普通技术 人员专用工具 | 2(1-3-2) |
| AM 302 | Basic Electricity 基本用电 | 3(2-3-4) |
| AM 303 | Aircraft Structure 飞机结构 | 3(3-0-6) |
| AM 304 | Aircraft Metal Parts 飞机金属零件 | 3(2-3-4) |
| Total 全部的 | | 20(17-9-34) |

Year 3 Semester 1 第三年第一学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|--------------------|---|--|
| AM 305 | Pneumatic hydraulic system 气动液压系统 | 3(3-0-6) |
| AM 306 | Flight measurement system 飞行测量系统 | 3(2-3-4) |
| AM 307 | Wheelbase system and related parts 轴距系统 及相关零部件 | 3(2-3-4) |
| AM 308 | Flight control systems and aerodynamics for fixed-wing aircraft 固定翼飞机的飞行控制 系统和空气动力学 | 3(3-0-6) |
| AM 309 | Basic aircraft piston engineer 基础飞机活塞 工程师 | 3(3-0-6) |
| AM 402 | Receiving Aircraft 接收飞机 | 2(2-0-4) |
| AM xxx | Compulsory electives 必修选修课 | 3(xxx) |
| Total 全部的 | | 20(x - x - x) |

Year 3 Semester 2 第三年第二学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|--------------------|---|--|
| AM 310 | Installation and operation of aircraft piston engines 飞机活塞发动机的安装和操作 | 3(3-0-6) |
| AM 311 | Aircraft Fuel System 飞机燃油系统 | 3(3-0-6) |
| AM 401 | Aircraft Accessories 飞机配件 | 3(2-3-4) |
| AM 403 | Aircraft Electrical Systems 飞机电气系统 | 3(2-3-4) |
| AM 404 | Aircraft Propeller System 飞机螺旋桨系统 | 2(2-0-4) |
| AM 405 | Aircraft Lubrication System 飞机润滑系统 | 2(2-0-4) |
| AM 406 | Aircraft Pressure and Temperature Adjustment System 飞机压力和温度调节系统 | 2(2-0-4) |
| AM xxx | Free Elective 免费选修课 | 3(xxx) |
| Total 全部的 | | 21 (xxx) |

Year 4 Semester 1 第四年第一学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|--------------------|---|--|
| AM 407 | Basic Gas Turbine Engine and Ignition System 基本燃气轮机发动机和点火系统 | 3(3-0-6) |
| AM 408 | Air Navigation Aid Radio System 空中导航无线电系统 | 3(3-0-6) |
| AM 409 | Major Repairs and Non-Destructive Inspection of Aircraft Piston Engines 飞机活塞发动机的大修和无损检测 | 2(2-0-4) |
| AM 410 | Turbine Engine Lubrication System 涡轮发动机润滑系统 | 2(2-0-4) |
| AM 411 | Basic Aviation Electronics 基础航空电子设备 | 3(2-3-4) |
| AM xxx | Compulsory Electives 必修选修课 | 3(xxx) |
| AM xxx | Free Elective 免费选修课 | 3(xxx) |
| AM 412 | Cooperative education preparation 合作办学准备 | 1(0-3-2) |
| Total 全部的 | | 20 (xxx) |

Year 4 Semester 2 第四年第二学期

| Code 代码 | Course name 课程名 | Credit (Theory - Practice - Self-study) 信用 (理论-实践-自学) |
|-------------------|--|---|
| AM 413 | Cooperative Education for Aircraft Maintenance Engineering 飞机维修工程合作办学 | 6(0-35-18) |
| Total 全部的 | | 6 (xxx) |