# 2020 Mechanical Engineering Major's Program for International Students (Teaching in English)

(One) General Knowledge Courses 36Credits

1. General Knowledge Compulsory Courses 28 Credits

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F102003 | Engineering Introduction（ME） | 1.0 | 16 | (1.0) | 1-1st | Evaluation | |
| F226008 | Programming Design A | 4.0 | 64 | (4.0) | 1-1st | Examination | |
| F219012 | Enrollment Education | 1.0 | 16 | (2.0) | 1-1st | Examination | |
| F109001 | A Glimpse of Chinese Culture | 2.0 | 32 | (2.0) | 1-1st | Examination | |
| F208001 | Practical Chinese I | 5.0 | 80 | (5.0) | 1-1st | Examination | |
| F109002 | A Glimpse of Chinese CultureⅡ | 2.0 | 32 | (2.0) | 1-2nd | Examination | |
| F208002 | Practical Chinese II | 5.0 | 80 | (5.0) | 1-2nd | Examination | |
| F208003 | Practical Chinese Ⅲ | 4.0 | 64 | (4.0) | 2-1st | Examination | |
| F208004 | Practical Chinese Ⅳ | 4.0 | 64 | (4.0) | 2-2nd | Examination | |

2. General Knowledge Selective Courses 8 Credits

(Two) Basic Curses 54.5 Credits

1. Basic Compulsory Courses 50.5 Credits

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F102005 | Engineering Graphics | 5.0 | 80 | (5.0) | 1-1st | Examination | |
| F210013 | Calculus （yingyu） Ⅰ | 4.0 | 64 | (4.0) | 1-1st | Examination | |
| F210009 | Linear Algebra | 2.0 | 32 | (2.0) | 1-1st | Examination | |
| F210012 | Calculus （yingyu） Ⅱ | 4.0 | 64 | (4.0) | 1-2nd | Examination | |
| F410001 | University Physics Experiment （International students） | 1.0 | 32 | (2.0) | 1-2nd | Examination | |
| F102129 | Introduction to Chemistry Sciences | 1.0 | 16 | (1.0) | 1-2nd | Evaluation | |
| F210007 | University Physics （International students） | 3.0 | 48 | (3.0) | 1-2nd | Examination | |
| F103001 | The Basic on electrotechnics | 2.5 | 40 | (2.5) | 2-1st | Examination | |

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F210006 | University Physics （International students） | 2.0 | 32 | (2.0) | 2-1st | Examination | |
| F102103 | Theoretical Mechanics | 4.5 | 72 | (4.5) | 2-1st | Examination | |
| F210005 | Probability and Statistics （International students） | 3.0 | 48 | (3.0) | 2-1st | Examination | |
| F102130 | Engineering Materials | 2.0 | 32 | (2.0) | 2-2nd | Evaluation | |
| F126012 | Basis of Electronic Technique | 4.0 | 64 | (4.0) | 2-2nd | Examination | |
| F102104 | Mechanics of Materials | 4.5 | 72 | (4.5) | 2-2nd | Examination | |
| F102109 | Thermal Engineering | 2.0 | 32 | (2.0) | 3-1st | Evaluation | |
| F102105 | Engineering Fluid Dynamics | 2.0 | 32 | (2.0) | 3-1st | Examination | |
| F102108 | Computer Aided Engineering （CAE） | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |
| F102107 | Numerical Methods | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |

2. Basic Selective Courses 4 Credits

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F102106 | Product Shape Modeling and Creative Design | 2.0 | 32 | (2.0) | 1-2nd | Evaluation | |
| F102122 | Fundamentals of Mechanical Dynamics | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |
| F102123 | Exploitation and Using of New- energy | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |
| F102124 | Reliability Engineering | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |

(Three) Specialty Courses 33 Credit

1. Specialty Compulsory Courses 29 Credit

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F102110 | Theory of Machines and Mechanisms | 4.5 | 72 | (4.5) | 2-2nd | Examination | |
| F102111 | Automatic Control | 3.0 | 48 | (3.0) | 2-2nd | Examination | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| F102114 | Technology of Engineering Measurement | 3.0 | 48 | (3.0) | 3-1st | Examination | |

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F102113 | Mechanical Manufacturing Engineering | 3.0 | 48 | (3.0) | 3-1st | Examination | |
| F102112 | Mechanical Design | 4.5 | 72 | (4.5) | 3-1st | Examination | |
| F102115 | Advanced Manufacturing Technology | 3.0 | 48 | (3.0) | 3-1st | Evaluation | |
| F102119 | Mechanical Project Management | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |
| F102116 | Machinery and Equipment Design | 3.5 | 56 | (3.5) | 3-2nd | Examination | |
| F102102 | Numerical Control Technology | 2.5 | 40 | (2.5) | 3-2nd | Examination | |

2. Specialty Selective Courses 4 Credits

| Course Code | Course Name | Credit | Total Class Hours | Classhours Per Week | Term | Evaluation Method | Minor Course |
|---|---|---|---|---|---|---|---|
| F102118 | Fluid Power Transmission | 2.0 | 32 | (2.0) | 3-1st | Evaluation | |
| F102100 | Academic Chinese (ME) | 2.0 | 32 | (2.0) | 3-2nd | Evaluation | |
| F102117 | Computer Aided Design & Computer Aided Manufacturing | 3.0 | 48 | (3.0) | 3-2nd | Evaluation | |
| F102127 | Pecision & Non-traditional Machining Technology | 2.0 | 32 | (2.0) | 4-1st | Evaluation | |
| F102128 | Automatic Manufacturing System(AMS) | 2.0 | 32 | (2.0) | 4-1st | Evaluation | |
| F102120 | Robotic Technology | 2.0 | 32 | (2.0) | 4-1st | Evaluation | |
| F102126 | Re-manufacturing Technology | 2.0 | 32 | (2.0) | 4-1st | Evaluation | |

(Four) Practical Teaching Section 27 Credit

1. Practical Compulsory Courses 27 Credit

| Course Code | Course Name | Credit | Weeks （Class Hours） | Term | Note | Minor Course |
|---|---|---|---|---|---|---|
| F702103 | Parts Surverying and Mapping Technology & Practice | 1.0 | 1 | 1-2nd | | |
| F702001A | Engineering Training AⅠ | 1.0 | 2 | 2-1st | | |
| F702001B | Engineering Training AⅡ | 1.0 | 2 | 2-2nd | | |

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|---|---|---|---|---|---|---|
| F703007 | Electronic Techniques Practice | 1.0 | 2 | 3-1st | | |
| Course Code | Course Name | Credit | Weeks （Class Hours） | Term | Note | Minor Course |
| F702104 | Mechanical Manufacturing Processes Design | 1.0 | 1 | 3-2nd | | |
| F702105 | Comprehensive Practice of Machine Design | 3.0 | 3 | 3-2nd | | |
| F702106 | Production Practice | 1.0 | 2 | 3-short | | |
| F702107 | Specialty Comprehensive Practice | 2.0 | 2 | 4-1st | | |
| F602001 | Graduation Design | 16.0 | 16 | 4-2nd | | |

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