Curriculum for the Department of Mechanical Engineering Master Graduate Program For 2023

May 23, 2023 Passed by the Departmental Curriculum Committee at its 3rd meeting, Spring semester, Academic Year 2022-23

May 23, 2023 Passed by the Departmental Affairs Meeting at its 4th meeting, Spring semester, Academic Year 2022-23

Approved at the 3rd College Curriculum Meeting of academic year 111, on May 31, 2023

Approved at the 4th University Curriculum Meeting of academic year 111, on Jun 14, 2023

Semester	Fall		University Curriculum Meeting of academic year 111, on Jun 14, 2 Spring	
(Credit /hour)	Courses	Credit/hour	Courses	Credit/hour
Required courses (0/2)	Treatise	0/1	Treatise	0/1
Elective courses (3/3)	Failure Analysis of Materials	3/3	Mechanical Behaviors of Materials	3/3
	Vibration	3/3	Finite Element Method	3/3
	Automatic Optical Inspection	3/3	Computer Aided Structure Design and Analysis	3/3
	Precision Machine Design	3/3	Principles & Applications of Gears	3/3
	Introduction to Computational Fluid Dynamics and Practice	3/3	Green Energy Engineering	3/3
	Micro Machine System	3/3	Renewable Energy	3/3
	Hydraulic and Compressible Flow Turbomachines	3/3	Intelligent Machinery and Manufacturing	3/3
	Advanced 3D Printer Technology	3/3	Thermal Fluid Measurement	3/3
	Engineering Statistics and Probability	3/3	Engineering Optimum Design	3/3
	Advanced Composite Structures	3/3	Advanced Mechanics of Materials	3/3
	Composite structural mechanics	3/3	Sensor Principle and Application	3/3
	Internships	3/3	Satellite Navigation for Aviation	3/3
	Application Programming for Engineers	3/3		

Graduation Qualifications:

- ➤ 24 credits. (Include 8 elective courses, and at least two semesters of Thesis Seminar).
- The dissertation oral examination must be passed.
- Academic Ethics Online Course must be Pass
- ➤ Please refer to the Study Regulations for the Master's Program of the Department.

^{*}The number of courses offered each academic year will be adjusted according to the actual approved standards.