

Major in Mechanical Engineering: Course Timetable for Spring 2020

Updated as of Dec. 24 2019

Spring	1st Period (9:00-10:30) Course name	2nd Period (10:40-12:10) Course name	3rd Period (13:00-14:30) Course name	4th Period (14:45-16:15) Course name	5th Period (16:30-18:00) Course name	6th Period (18:15-19:45) Course name	7th Period (19:55-21:25) Course name
Mon. 春Q	★A_1st_Laboratory English A (2)	★B_1st_Introduction to Bioscience (2) C_3rd(2nd)_Mechanical Engineering Frontiers A	★B_2nd(1st)_C Programming (2) C_3rd(2nd)_Mechanical Engineering Frontiers B	★B_1st_Introduction to C Programming (2) ★B_1st_Introduction to C Programming (1) C_4th(3rd)_Mechanical Engineering Frontiers E	C_4th(3rd)_Mechanical Engineering Frontiers F C_M(IAS)_3rd(2nd)_Fundamentals of Robotics		
夏Q	★A_1st_Laboratory English B (2)	B_2nd(1st)_Mind Biology C_3rd(2nd)_Mechanical Engineering Frontiers A	★B_2nd(1st)_C Programming (2) C_3rd(2nd)_Mechanical Engineering Frontiers B	★B_1st_Introduction to C Programming (2) ★B_1st_Introduction to C Programming (1) C_4th(3rd)_Mechanical Engineering Frontiers E	B_1st_Introduction to Probability and Statistics (1) C_4th(3rd)_Mechanical Engineering Frontiers F C_M(IAS)_3rd(2nd)_Fundamentals of Robotics		
Tue. 春Q	★B_2nd(1st)_General Physics C: Electromagnetism (2) C_3rd(2nd)_Mechanical Engineering Laboratory Fundamentals (Japanese)	C_3rd(2nd)_Mechanical Engineering Laboratory Fundamentals (Japanese) C_3rd_Data Science and Machine Learning (Japanese) C_4th_Materials Science and Engineering for Space Craft C_4th(3rd)_Automotive Engineering (Japanese)	★A_1st_Academic English A (2) C_2nd_Modeling and Analysis of Dynamic Systems C_3rd_Facility / Logistics Design (Japanese) C_3rd_Intelligence Information Processing (Japanese)	★A_1st_Academic Fundamentals A ★B_2nd(1st)_Introduction to Fortran Programming C_3rd(2nd)_Co-Habitable Design and Planning	★A_1st_Academic Fundamentals C C_3rd(2nd)_Mechanical Engineering Analysis Fundamentals (Japanese)	C_3rd(2nd)_Mechanical Design and Machining	
夏Q	B_2nd(1st)_Mind Biology C_3rd(2nd)_Mechanical Engineering Laboratory Fundamentals (Japanese)	C_3rd(2nd)_Mechanical Engineering Laboratory Fundamentals (Japanese) C_3rd_Data Science and Machine Learning (Japanese) C_4th_Materials Science and Engineering for Space Craft C_4th(3rd)_Automotive Engineering (Japanese)	★A_1st_Academic English B (2) C_3rd_Facility / Logistics Design (Japanese) C_3rd_Intelligence Information Processing (Japanese) C_2nd_Modeling and Analysis of Dynamic Systems	★A_1st_Academic Fundamentals B ★B_2nd(1st)_Introduction to Fortran Programming C_3rd(2nd)_Co-Habitable Design and Planning	★A_1st_Academic Fundamentals D C_3rd(2nd)_Mechanical Engineering Analysis Fundamentals (Japanese)	C_3rd(2nd)_Mechanical Design and Machining	
Wed. 春Q	★B_2nd(1st)_Linear Algebra B (2) C_3rd(2nd)_Industrial Materials (Japanese)	★B_2nd(1st)_Calculus C (2) C_3rd(2nd)_Mechanical Properties of Materials (Japanese) C_3rd_Applied Systems Thinking (Japanese)	C_3rd(2nd)_Co-creative Machine Engineering (Japanese) C_3rd(2nd)_Thermal Energy Engineering (Japanese) C_3rd_Manufacturing of Space Structures *	C_4th_Exercises in Architectural Design(F) (Japanese) C_3rd(2nd)_Internal Combustion Engine (Japanese) C_2nd(1st)_Method Engineering Workshop (Japanese)	C_4th_Exercises in Architectural Design(F) (Japanese) C_2nd(1st)_Method Engineering Workshop (Japanese) C_4th(3rd)_Introduction to Nuclear Power Generation (Japanese)	★B_2nd(1st)_Introduction to Java Programming	
夏Q	B_2nd(1st)_Ordinary Differential Equations (1) C_3rd(2nd)_Industrial Materials (Japanese)	C_3rd(2nd)_Mechanical Properties of Materials (Japanese) C_3rd_Applied Systems Thinking (Japanese)	B_2nd(1st)_Vector Calculus (1) C_3rd_Manufacturing of Space Structures * C_3rd(2nd)_Co-creative Machine Engineering (Japanese) C_3rd(2nd)_Thermal Energy Engineering (Japanese)	B_1st_Introduction to Probability and Statistics (1) C_4th_Exercises in Architectural Design(F) (Japanese) C_2nd(1st)_Method Engineering Workshop (Japanese) C_4th(3rd)_Introduction to Nuclear Power Generation (Japanese)	C_4th_Exercises in Architectural Design(F) (Japanese) C_2nd(1st)_Method Engineering Workshop (Japanese) C_4th(3rd)_Introduction to Nuclear Power Generation (Japanese)	★B_2nd(1st)_Introduction to Java Programming	
Thu. 春Q	★B_2nd(1st)_Calculus C (2) C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★A_1st_Academic English A (2) C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★B_2nd(1st)_Linear Algebra B (2) C_3rd(2nd)_Material Mechanics Advanced C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★A_1st_Academic Fundamentals A ★A_1st_Japanese 2 (2) ★A_1st_Japanese 2 (1) C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★A_1st_Academic Fundamentals C ★B_2nd(1st)_General Physics C: Electromagnetism (2) C_3rd_Design of Space Structures (Japanese)		
夏Q	C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★A_1st_Academic English B (2) B_2nd(1st)_Ordinary Differential Equations (1) C_3rd_Mechanical Drawing and Design Advanced (Japanese)	C_3rd(2nd)_Material Mechanics Advanced C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★A_1st_Academic Fundamentals B ★A_1st_Japanese 2 (2) ★A_1st_Japanese 2 (1) C_3rd_Mechanical Drawing and Design Advanced (Japanese)	★A_1st_Academic Fundamentals D C_3rd_Design of Space Structures (Japanese)		
Fri. 春Q	★B_1st_Introduction to Bioscience (2) C_2nd_Mechatronics-Laboratory-Fundamentals	★A_1st_Laboratory English A (2) C_2nd_Mechatronics-Laboratory-Fundamentals	★B_2nd(1st)_C Programming (3)	★B_2nd(1st)_General Physics C: Electromagnetism (2) C_3rd_Operations Research B (Japanese)	★C_2nd(1st)_Field Informatics	★C_2nd(1st)_Field Informatics	
夏Q	B_2nd(1st)_Vector Calculus (1) C_2nd_Mechatronics-Laboratory-Fundamentals	★A_1st_Laboratory English B (2) C_2nd_Mechatronics-Laboratory-Fundamentals	★B_2nd(1st)_C Programming (3)	C_3rd_Operations Research B (Japanese)			
Sat. 春Q	★C_2nd(1st)_SHIP Research Planning and Skill A	★C_2nd(1st)_SHIP Research Planning and Skill A					
夏Q							

Major in Mechanical Engineering: Course Timetable for Fall 2020

Fall	1st Period (9:00-10:30) Course name	2nd Period (10:40-12:10) Course name	3rd Period (13:00-14:30) Course name	4th Period (14:45-16:15) Course name	5th Period (16:30-18:00) Course name	6th Period (18:15-19:45) Course name	7th Period (19:55-21:25) Course name
Mon. 秋Q	★A_1st_Academic Study Skills A (6) B_2nd_Vector Calculus (2) (2nd year and above class) C_2nd_Materials Fundamentals (Japanese)	★B_1st_Calculus A (1) C_2nd_Smart Building Science and Engineering C_3rd_Community-Based Collaborative Design and Development	★B_1st_Introduction to C Programming (4) ★B_1st_Introduction to C Programming (3) C_3rd(4th)_Software Engineering (Japanese)	★B_1st(2nd)_C Programming (1) ★C_3rd_Engineering Thermodynamics	B_1st_Introduction to Probability and Statistics (2) ★C_3rd_Engineering Thermodynamics C_3rd_Thermal Design of Space System *	★C_2nd_Fluid Dynamics Fundamentals *	
冬Q	★A_1st_Academic Study Skills B (6) C_2nd_Materials Fundamentals (Japanese)	★B_1st_Calculus B (1) C_3rd_Community-Based Collaborative Design and Development C_2nd_Smart Building Science and Engineering	★B_1st_Introduction to C Programming (3) ★B_1st_Introduction to C Programming (4) C_3rd(4th)_Software Engineering (Japanese)	★B_1st(2nd)_C Programming (1) ★C_3rd_Engineering Thermodynamics	★B_1st_General Physics B: Waves, Optics, and Thermodynamics ★C_3rd_Engineering Thermodynamics C_3rd_Thermal Design of Space System *	★C_2nd_Fluid Dynamics Fundamentals *	
Tue. 秋Q	★B_1st_General Chemistry A (3) C_3rd_Mechanical Engineering Laboratory Advanced (Japanese)	★A_1st_Academic Study Skills A (6) B_2nd_Ordinary Differential Equations (2) (2nd year and above class)	★C_M(IAS)_2nd_Mechatronics	★B_1st_General Physics A: Mechanics (1) B_2nd_Complex Analysis C_3rd_Environmental Infrastructure and Social Business	★C_2nd_Material Mechanics Fundamentals C_3rd_Thermal Design of Space System *	★C_2nd_Fluid Dynamics Fundamentals *	
冬Q	★B_1st_General Chemistry B (3) C_3rd_Mechanical Engineering Laboratory Advanced (Japanese)	★A_1st_Academic Study Skills B (6) C_3rd_Mechanical Engineering Laboratory Advanced (Japanese)	★C_M(IAS)_2nd_Mechatronics	B_2nd_Fourier Analysis ★B_1st_Linear Algebra A (1) C_3rd_Environmental Infrastructure and Social Business	C_3rd_Micro/Nano Machine ★C_2nd_Material Mechanics Fundamentals	★C_2nd_Fluid Dynamics Fundamentals *	
Wed. 秋Q	★A_1st_Japanese 1 (2) ★A_1st_Japanese 1 (1) B_2nd_Fortran Programming C_3rd_Mechanical Engineering Frontiers C C_2nd_Control Systems	C_2nd_Environmental Science Fundamentals	C_3rd_Engine Design Engineering (Japanese) ★C_1st_Introduction to Mechanical Engineering	C_3rd_Human Factors in Safety (Japanese) C_3rd_Thermal Energy Reaction Engineering (Japanese)	★B_1st_Calculus A (1) C_3rd(4th)_Transport Phenomena (Japanese)		C_2nd_Advanced Topics in Intellectual Property Rights, Technology and Legal Affairs *
冬Q	★A_1st_Japanese 1 (2) ★A_1st_Japanese 1 (1) B_2nd_Fortran Programming C_3rd_Mechanical Engineering Frontiers C C_2nd_Control Systems	C_2nd_Environmental Science Fundamentals	C_3rd_Engine Design Engineering (Japanese) ★C_1st_Introduction to Mechanical Engineering	C_3rd_Human Factors in Safety (Japanese) C_3rd_Thermal Energy Reaction Engineering (Japanese)	★B_1st_Calculus B (1) C_3rd(4th)_Transport Phenomena (Japanese)		C_2nd_Advanced Topics in Intellectual Property Rights, Technology and Legal Affairs *
Thu. 秋Q	C_2nd(3rd)_Mechatronics Laboratory Advanced C_2nd(3rd)_Mechanical Drawing and Design Fundamentals (Japanese)	B_2nd_Vector Calculus (2) (2nd year and above class) C_2nd(3rd)_Mechanical Drawing and Design Fundamentals (Japanese) C_2nd(3rd)_Mechatronics Laboratory Advanced ★C_1st_Statics, Kinematics and Dynamics of Mechanisms	B_1st_Introduction to Probability and Statistics (2) C_4th_Frontiers of Energy Resource and Petroleum Technology (Japanese) C_2nd(3rd)_Mechanical Drawing and Design Fundamentals (Japanese)	★B_1st_General Chemistry A (3) B_2nd_Ordinary Differential Equations (2) (2nd year and above class) C_4th_Introduction to Environmental Management (Japanese) C_2nd(3rd)_Mechanical Drawing and Design Fundamentals	★B_1st_General Physics A: Mechanics (1) C_4th_Thermal Power Plant (Japanese) C_2nd(3rd)_Intelligent Manufacturing Systems (Japanese) C_3rd_Space Science and Technology (Japanese)		
冬Q	C_2nd(3rd)_Mechatronics Laboratory Advanced C_2nd(3rd)_Mechanical Drawing and Design Fundamentals (Japanese)	C_2nd(3rd)_Mechanical Drawing and Design Fundamentals (Japanese) ★C_1st_Statics, Kinematics and Dynamics of Mechanisms	★B_1st_General Physics B: Waves, Optics, and Thermodynamics C_4th_Frontiers of Energy Resource and Petroleum Technology (Japanese) C_2nd(3rd)_Mechanical Drawing and Design Fundamentals	★B_1st_General Chemistry B (3) C_4th_Introduction to Environmental Management (Japanese) C_2nd(3rd)_Mechanical Drawing and Design Fundamentals (Japanese)	★B_1st_Linear Algebra A (1) C_4th_Thermal Power Plant (Japanese) C_2nd(3rd)_Intelligent Manufacturing Systems (Japanese) C_3rd_Space Science and Technology (Japanese)		
Fri. 秋Q	★B_1st_General Physics A: Mechanics (1) B_2nd_Complex Analysis	★B_1st_Science and Engineering Laboratory B_2nd_Java Programming C_3rd_Biomechatronics C_3rd_Theory of Urban Environment (Japanese)	★B_1st_Science and Engineering Laboratory C_3rd_Bioengineering	★B_1st_Science and Engineering Laboratory C_3rd_Control and Design of Space Structures (Japanese) C_3rd_Marketing Data Analysis (Japanese)	★B_1st_Science and Engineering Laboratory		
冬Q	B_2nd_Fourier Analysis	★B_1st_Science and Engineering Laboratory B_2nd_Java Programming C_3rd_Biomechatronics C_3rd_Theory of Urban Environment (Japanese)	★B_1st_Science and Engineering Laboratory C_3rd_Bioengineering	★B_1st_Science and Engineering Laboratory C_3rd_Mechanical Engineering Frontiers D C_3rd_Control and Design of Space Structures (Japanese) C_3rd_Marketing Data Analysis (Japanese)	★B_1st_Science and Engineering Laboratory C_3rd_Mechanical Engineering Frontiers D		
Sat. 秋Q	★C_1st_SHIP Collaborative Workshop	★C_1st_SHIP Collaborative Workshop					
冬Q	★C_2nd_SHIP Research Planning and Skill B	★C_2nd_SHIP Research Planning and Skill B					

note:

- ★: Required courses
- ☆: Restricted elective courses
- A: Group A
- B: Group B
- C: Group C
- M: Minor course, the bracketed description shows its abbreviation.
- 1st~4th: Allocate year. When it is different in students enrolled in April and in September, the bracketed description shows one for students enrolled in September.

Intensive courses (Spring)

Course name	Course name
C_3rd(2nd)_Astroparticle Physics	C_3rd_Materials Processing (Japanese)
C_3rd(2nd)_Lunar and Planetary Exploration and its Science	C_3rd_Design Optimization of Space Structures *
C_4th(3rd)_Production Technology of Structural Materials (Japanese)	C_4th(3rd)_Design and Control of Space Structures *
★C_2nd(1st)_SHIP Field Practice A	★C_2nd_SHIP Field Practice B