

Faculty/School	Malaysia-Japan International Institute of Technology / Department of Chemical and Environmental Engineering
Program Name	Master of Sustainability and Environmental Sciences
Program Code	MMJJ
Mode of Program	Taught Course
Academic Session/ Semester	20242025/1

COURSE MENU

UTM General Courses		
Course Code	Course Name	Credit
UMJJ6013	Basic Japanese Language and Culture	3
MMJP1183	Research Methodology	3

***For MJIT-home students only**

UT General Courses		
Course Code	Course Name	Credit
01AJ201	Research Management Skills	1
01AJ202	Scientific Writing in English - Practice	1
01AJ203	Debating Current Topics in Life Science and Engineering	2
01AJ204	Applied Environmental Ethics	2

***For UT-home students only**

Core Faculty Courses (Compulsory)		
Course Code	Course Name	Credit
01AJ001	Introduction to Environmental Sciences	1
01AJ002	Exercises in Environmental Sciences	1
01AJ003	Field and Laboratory Practices in Environmental Sciences	1
01AJ004	Tsukuba-MJIT Joint Seminar	1
MMJS1133	Sustainability Management & Policy	3

***All core subjects need to be taken**

MJIT Elective Courses (9 credit) (Choose 3 only)		
Course Code	Course Name	Credit
MMJS1113	Applied Sustainable Systems	3
MMJS1123	Life Cycle Assessment	3
MMJS1143	Environmental Impact Assessment	3
MMJS1213	Green Economy	3
MMJS1323	Smart Communities	3
MMJS1333	Renewable Energy	3
MMJS1343	Sustainable Food Systems	3
MMJS1353	Integrated Water Science and Technology	3
MMJS1363	Integrated Solid Waste Management	3
MMJS1373	Low Carbon Cities	3

***Only choose nine (9) credit**

UT Elective Courses (8 credit)		
Course Code	Course Name	Credit
01AJ301	Simulation of Environmental Policy	2
01AJ302	Water Environment	2
01AJ303	Introduction to Waste Management	2
01AJ304	Solid Waste Management and Systems Planning	2
01AJ305	Utilization and Recycling of Bioresources	2
01AJ306	Tropical Climate and Global Monsoon	1
01AJ307	Introduction to Environmental Policy	1
01AJ308	Terrestrial Ecology	1
0ATAY01	Social Issues and Education Policies	1
0ATAY02	The State of Global Issues	1
0AQT002	Special Problem-Solving Seminar B1	1
0AQT062	Special Problem-Solving Seminar B2	2

***Only choose eight (8) credit**

Research Courses (Compulsory)		
Course Code	Course Name	Credit
MMJS1186	Master Project 1	6
MMJS1286	Master Project 2	6
01AJ101	Seminar in Environmental Sciences 1	2
01AJ102	Seminar in Environmental Sciences 2	2

***For MJIT-home students only**

Research Courses (Compulsory)		
Course Code	Course Name	Credit
MMJS1186	Master Project 1	6
01AJ101	Seminar in Environmental Sciences 1	2
01AJ102	Seminar in Environmental Sciences 2	2
01AJ119	Thesis Seminar in Environmental Sciences 2S	3
01AJ120	Thesis Seminar in Environmental Sciences 2F	3

***For UT-home students only**

ATTACHMENT A (Study Plan)**MJIIT-HOME STUDENTS****SEMESTER 1 (2024/2025)**

No.	Code	Course Name	Credit Status
1	UMJJ6013	Basic Japanese Language and Culture (U)	3
2	MMJP1183	Research Methodology (U)	3
3	MMJS1133	Sustainability Management and Policy (T)	3
4	MMJS****	Elective	3
5	MMJS****	Elective	3
6	MMJS****	Elective	3
TOTAL			18

SEMESTER 2 (2024/2025)

No.	Code	Course Name	Credit Status
1	01AJ101	Seminar in Environmental Sciences 1	2
2	01AJ003	Field and Laboratory Practices in Environmental Sciences	1
3	01AJ004	Tsukuba-MJIIT Joint Seminar	1
4	01AJ***	Elective	2
5	01AJ***	Elective	2
6	01AJ***	Elective	1
7	01AJ***	Elective	1
8	MMJS1186	Master Project 1	6
TOTAL			16

SEMESTER 1 (2025/2026)

No.	Code	Course Name	Credit Status
1	01AJ001	Introduction to Environmental Sciences (T)	1
2	01AJ003	Exercises in Environmental Sciences (T)	1
3	01AJ102	Seminar in Environmental Sciences 2	2
4	01AJ***	Elective	2
TOTAL			6

SEMESTER 2 (2025/2026)

No.	Code	Course Name	Credit Status
1	MMJP1286	Master Project 2	6
TOTAL			6

UT-HOME STUDENTS

SEMESTER 1 (2024/2025) (Apr - Jul)

No.	Code	Course Name	Credit Status
1	01AJ***	Elective	2
2	01AJ***	Elective	2
3	01AJ***	Elective	1
4	01AJ***	Elective	1
5	01AJ003	Field and Laboratory Practices in Environmental Sciences (C)	1
6	01AJ101	Seminar in Environmental Sciences 1 (R)	2
7	01AJ201	Research Management Skills (U)	1
TOTAL			

SEMESTER 2 (2024/2025) (Aug - Oct)

No.	Code	Course Name	Credit Status
1	MMJS1323	Smart Communities (E)	3
TOTAL			

SEMESTER 2 (2024/2025) (Oct - Feb)

No.	Code	Course Name	Credit Status
1	MMJP1186	Master Project 1 (R)	6
2	MMJS1133	Sustainability Management and Policy (C)	3
3	MMJS****	Elective	3
4	MMJS****	Elective	3
5	MMJS****	Elective	3
6	01AJ001	Introduction to Environmental Sciences (C)	1
7	01AJ002	Exercises in Environmental Sciences (C)	1
8	01AJ002	Tsukuba-MJIIT Joint Seminar (C)	1
9	01AJ203	Debating Current Topics in Life Science and Engineering (U)	2
TOTAL			

SEMESTER 3 (2026/2027) (Mar - Sep)

No.	Code	Course Name	Credit Status
1	01AJ119	Thesis Seminar in Environmental Sciences 2S (R)	3
2	01AJ***	Elective	2
3	01AJ***	Elective	2
TOTAL			

SEMESTER 4 (2026/2027) (Oct - Mar)

No.	Code	Course Name	Credit Status
1	01AJ202	Scientific Writing in English - Practice (U)	1

2	01AJ204	Applied Environmental Ethics (U)	2
3	01AJ102	Seminar in Environmental Sciences 2 (R)	2
4	01AJ120	Thesis Seminar in Environmental Sciences 2F (R)	3
5	01AJ***	Elective	2
6	01AJ***	Elective	2
TOTAL			