AGU Graduate School of Engineering and Science
M.Sc. Program in Policy Analytics in Global Issues

Semester	Code	Course	T	P	C	ECTS
1st	PA 501	Politics of Sustainability	3	0	3	7.5
	IE 511	Modeling and Optimization	3	0	3	7.5
	PA 5XX	PA Elective [1]	3	0	3	7.5
		Elective [2], [3]	3	0	3	7.5
		semester credits **12**	12	0	**12**	**30**
2nd	GCC 1001	Introduction to Scientific Research Methods and Scientific Publication Ethics	3	0	3	7.5
	PA 5XX	PA Elective [1]	3	0	3	7.5
		Elective [2], [3]	3	0	3	7.5
	IE 534	Risk Modeling, Assessment and Management	3	0	3	7.5
		semester credits **12**	12	0	**12**	**30**
3rd-4th	PA 500	Seminar	0	2	0	5
	PA 597	M.Sc. Special Topics [4]	4	0	0	10
	PA 599	M.Sc. Thesis [4]	0	1	0	45
		period credits **0**	8	4	**0**	**60**
		TOTAL **24**	**32**	**4**	**24**	**120**

(1) See list below, at least two electives with a PA code must be taken

(2) With the approval/suggestion of the advisor, two of these courses may/must be undergraduate level calculus, or probability/statistics courses. In this case, the ECTS credit of this elective may be less than 7.5, but it cannot be less than 5. The student still must complete 120 ECTS to graduate with additional courses if need arises.

(3) See the list below for elective courses without a PA code

(4) PA 597 and PA 599 courses last longer than one semester. The credits are earned only when the student completes the courses successfully with an "S" letter grade.

Curriculum Summary

%		Courses	Credit	ECTS
6.25	**HEC (YÖK) Courses** GCC 1001	1	3	7.5
18.75	**Compulsory** PA 501, IE 511, IE 534	3	9	22.5
12.50	**PA Elective** PA 5XX	2	6	15
12.50	**Elective**	2	6	15
50.00	**Thesis Research** PA 500, PA 597, PA 599	3	0	60
100.00	**TOTAL**	**11**	**24**	**120**

Course Code Description

5 M.Sc. Courses

P A º º X

    0 Introduction/Research
    1 Sustainability, social sciences
    2 Mathematics, data analytics
    9 Thesis research

Must Courses
PA 500 – Seminar
PA 501 – Politics of Sustainability
PA 597 – M.Sc. Special Topics
PA 599 – M.Sc. Thesis
IE 511 – Modeling and Optimization
IE 524 - Risk Modeling, Assessment and Management
GCC 1001 - Introduction to Scientific Research Methods and Scientific Publication Ethics

PA Elective Courses
PA 510 – Migration and Sustainability
PA 511 – Global Development
PA 512 – Political Economy of Defense
PA 514 – Environmental Policy and Sustainability
PA 522 – System Dynamics and Simulation

Elective Courses
MATH 151[1] – Calculus I
MATH 301[1] – Probability & Statistics
Graduate-level courses with the advisor's approval

[1] With the approval/suggestion of the advisor, the students without a prior study of calculus or probability/statistics must take these courses or their equivalents.