Courses taken by students in Environmental Earth Systems Science and Public Policy and Global Affairs (from AY21-22 onwards)

EESS Major Core		
Course Code	Course Title	AUs
ES0138	Introduction to Scientific Writing	2
ES1001	E2S2 Environment and Society	4
ES1003	E2S2 Solid Earth	4
ES1006	Introductory Field Experience	4
ES1007	Climate Change	3
ES2001	Computational Earth Systems Science	4
ES2003	E2S2 Biosphere	4
MH1802	Calculus for the Sciences	4
ES2303	Introduction to Ecology	3
ES2201	Law & Economics, Sustainable Development, and Environmental Protection	3
ES2202	Global Environmental Politics and Governance	3
ES2802	GIS and the Earth System	3
ES3201	Coupled Human and Natural Systems	3
ES3202	Resilient Urban Systems	3
MH2500	Probability and Introduction to Statistics	4

PPGA Major Core		
Course Code	Course Title	AUs
HA1001	Introduction to International Relations and Foreign Policy	3
HA1002	Introduction to Political Theory	3
HA1003	Introduction to Public Administration and Policy	3
HA1011	Politics of Singapore	3
HA1012	Fundamentals of Politics	3

EESS Major PE		
Course Code	Course Title	AUs
BS1001	Introductory Biology	3
BS1005	Biochemistry I	3
BS1008	Bioinformatics and Statistics	3
BS2002	Microbiology	3
CM1021	Basic Inorganic Chemistry	4
CM1031	Basic Organic Chemistry	4
CM1041	Basic Physical Chemistry	4
CM2011	Analytical and Bioanalytical Chemistry	3
EN1001	Environmental Chemistry	3
EM9101	Environmental Quality	3
EM9106	Environmental Impact Assessment	3
ES2002	Earth Materials	3
ES2004	Sedimentary Geology	3
ES2101	Introduction to Geological Field Mapping	3

ES2301	Principles of Heredity and Ecological Genetics	3
ES2302	Introduction to Field Ecology	2
ES2304	Microbes on Natural Ecosystems	3
ES2801	Introduction to Natural Hazards	3
ES3002	Structural Geology and Tectonics	3
ES3003	Introduction to Geochemistry	3
ES3004	Introduction to Geophysics	3
ES3005	Advanced Field Course in Geology	5
ES3008	E2S2 Research	3
ES3101	Petroleum Geology	3
ES3301	Plant and Animal Physiology	3
ES3302	Tropical Ecology	3
ES3304	Advanced Placement in Ecology and Society	2
ES3305	Current Issues in Ecology	3
ES3306	Global Change Ecology	3
ES3307	Experimental Design & Analysis for Ecology	3
ES3801	Biogeochemistry	3
ES4002	Final Year Project	10
ES4003	Professional Internship	10
ES4004	Overseas Entrepreneurship Prog (12-month)	20
ES4006	Overseas Entrepreneurship Prog (6-month)	11
ES4010	Teaching in E2S2	4
ES4201	Environmental Management and Valuation	3
ES4301	Conservation Biology and Biodiversity	3
ES4303	Marine and Aquatic Ecology	3
ES4901	Oceanography	3
ES4902	Geophysical Data Analysis	3
ES4904	Volcanology	3
ES4911	Seismology	3
HP1100	Fundamentals of Social Science Research	3
PH1104 or PH1801	Mechanics or Foundations of Physics I	3
PH1106 or PH1802	Electricity and Magnetism or Foundations of Physics II	3
PH1105	Optics, Vibrations and Waves	3
PH1107	Relativity and Quantum Physics	3

PPGA Major Prescribed Electives Major Prescribed Electives (11 courses totaling 35 AUs) 9 modules from the HA2xxx and HA3xxx basket + 2 modules from the HA4xxx basket		
Course Code	Course Title	AUs
Politics and International Relations		
HA2003	Politics and Government in Southeast Asia	3
HA2004	Theories in International Relations	3
HA2005	Contemporary Political Theory	3
HA2006	The Rise of China	3

HA2015	China in Africa	3
HA2017	Foreign Policy and Analysis	3
HA3003	The Politics of Ethnicity	3
HA3004	United States and East Asia	3
HA3005	Politics of the Developing World	3
HA3006	Asian Political Thought	3
HA3014	Singapore's Foreign Policy	3
HA3015	Media and Politics	3
HA3016	China's Foreign Policy	3
HA3018	Borderless Migration	3
HA3019	East Asian Security	3
HA3020	Justice	3
HA3021	Comparative Politics in Asia	3
HA4001	ASEAN in the 21st Century	4
HA4002	Politics of Democratization in East and West	4
HA4003	Globalization and East Asian Politics	4
HA4004	Terrorism and Security	4
HA4013	Advanced Topics in Democratic Theory: Democracy & Division	4
HA4014	European Union	4
HA4016	Global Cities	4
Public Policy and Administration		
HA1006	Public Administration in Singapore	3
HA1007	Public Policy-making in Singapore	3
HA2007	Human Resources Management in Public Sector	3
HA2008	Government, Nonprofits and Society	3
HA2009	The Making of E-government	3
HA2010	Public Administration in Southeast Asia	3
HA2011	Cost-benefit Analysis in Public Policy	3
HA2012	Global Problems and Policy	3
HA2013	Comparative Public Policy	3
HA2014	Public Organization and Management	3
HA2016	Global Governance and Regulation	3
HA2020	Socio-Political Analysis in Public Policy	3
HA2021	Public Administration in Singapore	3
HA2022	Public-Policy Making In Singapore	3
HA2023	Research Methods in Social Sciences	3
HA2024	Statistical Foundations for Public Administration and Policy	3
HA3007	Public Budgeting and Financial Management	3
HA3008	Nonprofit Management and Social Entrepreneurship	3
HA3009	Comparative Public Administration	3
HA3010	Mass Media and Public Policy	3

HA3011	Science, Technology and Public Policy	3
HA3013	Managing Human Behaviour in the Public Sector	3
HA3017	Governance and Politics of China	3
HA3018	Borderless Migration?	3
HA4005	Constitutional and Administrative Law in Singapore	4
HA4006	Special Topic in Public Administration	4
HA4008	Ethics of Public Administration and Policy	4
HA4009	Special Issues in Public Policy	4
HA4010	Technology, Innovation and Policy	4
HA4011	Public Administration: Past, Present & Future	4
HA4012	Challenging Issues in Singapore	4
HA4015	Performance Management in the Public Sector	4
HA4017	Economics Issues for Public Decision Making	4
HA4018	Policy Evaluation	4

ICC (University Level)

Courses	No of AU	Semester

Inquiry and Communication in an Interdisciplinary World	2	Year 1 Sem 1
Ethics & Civics in a Multi-Cultural World	2	Year 1 Sem 1
Navigating the Digital World	2	Year 1 Sem 2
Healthy Living & Mental Wellbeing	3	Year 1 Sem 2
Career & Entrepreneurial Development for the Future World	2	Year 2 Sem 2
Science & Technology for Humanity	3	Year 2 Sem 1
Sustainability: Human, Social, Economic & Environment	3	Year 2 Sem 1
Total AU	**17**	

ICC (College Level)

Courses	No of AU	Semester
Fundamentals of Data Science for Earth and Environmental Systems Science	3	Year 3 Sem 2
Communication course	2	Year 3
Professional Attachment	5	Year 4
Total AU	**10**	

Proposed timetable for students in ESPP Specialisation (AY21-22 onwards)

	Course Code	Course Title	Type	AU
Year 1 Semester 1	ES0138	Introduction to Scientific Writing	Core	2
	ES1001	E2S2 Environment and Society	Core	4
	MH1802	Calculus for the Sciences	Core	4
	HA1001	Introduction to International Relations and Foreign Policy	Core	3
	HA1012	Fundamentals of Politics	Core	3
	CC0001	Inquiry and Communication in an Interdisciplinary World	ICC	2
	ICC	Ethics & Civics in a Multi-Cultural World	ICC	2
			Total AUs	**20**

	Course Code	Course Title	Type	AU
Year 1 Semester 2	ES1003	E2S2 Solid Earth	Core	4
	ES2003	E2S2 Biosphere	Core	4
	HA1003	Introduction to Public Administration and Policy	Core	3
	HA1011	Politics of Singapore	Core	3
	ICC	Navigating the Digital World	ICC	2
	ICC	Healthy Living & Mental Wellbeing	ICC	3
			Total AUs	**19**

	Course Code	Course Title	Type	AU
Year 2 Semester 1	ES1006	Introductory Field Experience	Core	4
	ES2001	Computational Earth Systems Science	Core	4
	ES2802	GIS and the Earth System	Core	3
	HA1002	Introduction to Political Theory	Core	3
	ICC	Science & Technology for Humanity	ICC	3
	ICC	Sustainability: Human, Social, Economic & Environment	ICC	3
			Total AUs	**20**

	Course Code	Course Title	Type	AU
Year 2 Semester 2	ES1007	Climate Change	Core	3
	ES2303	Introduction to Ecology	Core	3
	ES2201	Law & Economics, Sustainable Development and Environmental Protection	Core	3
	ES2202*	Global Environmental Politics and Governance	Core	3
	ML0004	Career & Entrepreneurial Development for the Future World	ICC	2
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
			Total AUs	**20**

	Course Code	Course Title	Type	AU
Year 3 Semester 1	MH2500	Probability and Introduction to Statistics	Core	4
	ES3202	Resilient Urban Systems	Core	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
			Total AUs	**19**

	Course Code	Course Title	Type	AU

Year 3 Semester 2	ES3201*	Coupled Human and Natural Systems	Core	3
	ICC	Second Communication Course	ICC	2
	ES0002	Fundamentals of Data Science for Earth and Environmental Systems Science	ICC	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	2
			Total AUs	**19**

	Course Code	**Course Title**	**Type**	**AU**
Year 4 Semester 1	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	3
			Total AUs	**18**

	Course Code	**Course Title**	**Type**	**AU**
Year 4 Semester 2		Professional Attachment	ICC	5
	XXXX	MAJOR PE	Major PE	3
	XXXX	MAJOR PE	Major PE	2
	XXXX	Broadening Elective	BE	3
			Total AUs	**13**