

Master Program (S2) Science Education

Majors: Science Education, Chemistry Education, Physics Education, Biology Education

Head of program: **Prof. Dr. Indarini Dwi Pursitasari, M.Si.**

Curriculum

SMT	No	Code	Subjects	Credits
	1	SPS8201	Philosophy of Science	2
	2	SPS8202	Applied Statistics	3
	3	PIA8101	Research Studies	2
	4	PIA8103	School Science Curriculum Studies	2
	5	PIA8202	Subject Review: Living Things and Their Characteristics *	2
I	6	PIA8203	Subject Review: Matter, Energy, and its Changes *	2
	7	PIA8204	Subject Review: Bioteknologi**	2
	8	PIA8205	Subject Review: Functional Biology**	2
	9	PIA8207	Subject Review: Structure and Bonding of In-organic Compounds***	2
	10	PIA8209	Subject Review: Analytical Chemistry***	2
	11	PIA8210	Subject Review: Mechanics Mekanika & Thermodynamics****	2
	12	PIA8212	Subject Review: Wave and Optics ****	2
			Sub-total	13
	1	PIA8102	Science learning Assessment	2
	2	PIA8104	Applied Research methodology	3
	3	PIA8106	Innovative Science Learning with ESD Based	2
	4	PIA8107	Sustainable Development Goals environmental Conservation	2
	5	PIA8201	Subject Review: Geoscience and Space*	2
	6	PIA8206	Subject Review: Genetics **	2
II	7	PIA8208	Subject Review: Natural Organic Chemistry ***	2
	8	PIA8211	Subject Review: Electric and Magnet****	2
	9	PIA8213	Innovative Teaching Materials with ESD Based(3
	10	MNP8103	Educational Supervision and Quality Assurance	3
	11	MNP8104	Visionary Leadership and Decision Making*)	3
	12	MNP8202	Organizational Behavior and Strategic Planning in Education*)	3
			Sub-total	14
	1	SPS8203	Research Designs	2
III	2	PIA8105	Innovative Science Practicum with ESD Based	2
			Sub-total	4
IV	1	SPS8204	Theses	8
			Sub-total	8
			TOTAL	39

*) Elective courses for all major

**) Elective courses for Biology Education major

***) Elective courses for Chemistry Education major

****) Elective course for Physics Education major