

**The correlation between the program learning outcome of Master Programme in Biotechnology with the most relevant Subject-Specific Criteria (SSC)**

	Program Learning Outcome							
	1. Uphold human values in accordance with the core values of Atma Jaya: Christian Faith, Excellence, Professionalism, and Care (KUPP), morals, and ethics.	2. Demonstrate a sense of responsibility for one's own actions and the group's.	3. Able to communicate effectively.	4. Able to develop logical, critical, systematic, and innovative thinking in the field of biotechnology.	5. Able to develop concepts and theories in molecular biology.	6. Able to solve problems in the fields of health, environment, and agriculture through the application of biotechnology.	7. Able to evaluate the application of biomolecular, biochemical, and microbiological methods in biotechnology.	8. Able to manage innovative, beneficial, and validated research and development in biotechnology.
<b>Subject Specific Competences</b>								
have an advancement of knowledge in core subjects, subject-relevant or interdisciplinary subjects, and advancement of practical methodological competence,					✓	✓	✓	✓
have the capability of carrying out independent scientific work in selected areas of the life sciences,						✓	✓	✓

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have a relevant knowledge of safety and environmental issues, as well as the associated legal fundamentals,								✓
have the acquisition of subject-specific and interdisciplinary problem-solving competence.				✓	✓	✓		
<b>General and Social Competences</b>								
have the ability to organise, conduct and lead complex projects, as well as to present and publish the results,								✓
have the ability for abstraction, systematic thinking, capacity for teamwork, ability to communicate effectively, international and intercultural competence,						✓	✓	✓

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have experience with the resulting preparation for taking on leadership responsibility,						✓	✓	✓
have the capability of estimating the social and environment-related effects of their actions.	✓	✓	✓					