

UNEJ SCHOLARSHIP 2024
FOR INTERNATIONAL STUDENTS

1. Master Programs Funded by UNEJ Scholarship 2024

No.	Master Program	Education Model	Teaching Model
1.	Biotechnology	By coursework	Hybrid learning
2.	Environment and Natural Resources Management	By coursework	Hybrid learning
3.	Public Health Sciences	By coursework	Hybrid learning
4.	Biology	By coursework	Hybrid learning
5.	Mathematics	By coursework	Hybrid learning
6.	Physics	By coursework	Hybrid learning

2. Application Timelines

Steps	Date
Application period	September - December 2023
Selection period	January 6 th - 24 th , 2024
Final Admission Decision	February 5 th , 2024, at the latest
Acceptance Letter	February 14 th , 2024, at the latest
Pre-departure Period	February - April, 2024
Arrival	April 2024
Indonesian Language Training	May 2024 - August, 2024
Registration and Payment	August 2024
Beginning Academic Year	August, 2024

3. Eligibility

Eligible applicants for the master program must have:

- (1) a Bachelor's degree in related study programs
- (2) a good command of English language for academic purposes (see language requirements)

4. Language Requirements

Applicants are required to have an academic-level proficiency in English. Language proficiency will be verified by one of the following:

- (1) IELTS Academic (International English Language Testing System) with a score of 5.5 or higher (*valid for two years*)
- (2) TOEFL iBT (Test of English as a Foreign Language, Internet Based Test) with a score of 78 or higher (*valid for two years*)

- (3) TOEFL PBT (Test of English as a Foreign Language, Paper Based Test) with a score of 500 or higher (*valid for two years*)
- (4) DET (Duolingo English Test) with a score of 100 or higher (*valid for two years*).

The English proficiency certificate must be verifiable by online verification methods.

5. Application Process

a) Student selection

Student intake for the post graduate program must follow the selection procedure by committee. Applications will be evaluated based on the application form and the required enclosures. On some cases, interviewers may request the interview via teleconference for further verification processes.

b) Selection results

The selection results will be published by February 7th, 2024 at the latest. Information about the results and the commencement date of the course will be announced to all applicants by email. Those selected students graduating during the academic year 2023-2024 (after the application period) must deliver the proof of graduation to the University of Jember by email to internationaloffice@unej.ac.id by **January 31st, 2024**. Otherwise, the applicant will lose her/his study place. Students selected for the program will start their studies in August 2024.

5. UNEJ Scholarship

UNEJ scholarship covers: (1) tuition fees, (2) accommodations (round-trip ticket), (3) partial living allowances. Students of master program will receive the scholarship **within four semesters**.

6. Courses for Master Program in Biotechnology

Semester 1			
No.	Courses	Credits	Course status
1.	Principles of Biotechnology	2-0	General Compulsory
2.	Biochemistry and Molecular Biology	2-0	General Compulsory
3.	Genetic Engineering and Bioinformatics	2-0	General Compulsory
4.	Research Methodology	2-1	General Compulsory
	Concentration in Agricultural Biology		
5.	Plant-Microbe Interaction	2-0	Specific Compulsory
6.	Plant Molecular Physiology	2-0	Specific Compulsory
7.	Primary and Secondary Metabolic Biosynthesis	2-0	Specific Compulsory

8.	Biochemistry Product Engineering	2-0	Specific Compulsory
9.	Molecular Detection of Agriculture	0-2	Specific Compulsory
	Concentration in Medical Biotechnology		
10.	Genetic Therapy Technology	2-0	Specific Compulsory
11.	Biopharmaceutical Innovation	2-0	Specific Compulsory
12.	Immunology	2-0	Specific Compulsory
13.	Health Molecular Detection	0-2	Specific Compulsory
	Total workload	15	

Semester 2			
No.	Courses	Credits	Course Status
14.	Cell Propagation	2-0	Compulsory
15.	Biostatistics	2-0	Compulsory
16.	Bioprocess Engineering	2-0	Compulsory
17.	Genetic Engineering Product Regulation	2-0	Compulsory
18.	Entrepreneurship in Biotechnology	1-2	Compulsory
	Total workload	15	

Semester 3			
No	Courses	Credits	Course Status
19.	Thesis	0-6	Compulsory
20.	Dissemination of Research	0-1	Compulsory
	Total workload	7	

Semester 4			
No.	Courses	Credits	Course Status
21.	Scientific Writing	0-2	Compulsory
	Total Workload	2	

Elective Courses			
No.	Courses	Credits	Course Status
22.	Enzyme Engineering	2-0	Elective
23.	Biotechnology in Plant Protection	2-0	Elective
24.	Industrial Microbiology	2-0	Elective
25.	Fermentation Technology	2-0	Elective
26.	Enzyme Production	2-0	Elective
27.	Bio-nanotechnology	2-0	Elective
28.	Analysis of Biomolecules	2-0	Elective
29.	Metabolic Engineering	2-0	Elective

30.	Molecular Virology	2-0	Elective
31.	Cancer Immunology	2-0	Elective
32.	Molecular Diagnostics	2-0	Elective
33.	Regenerative Medicine	2-0	Elective
34.	Personalized Medicine	2-0	Elective
35.	Biobanking	2-0	Elective