



Coordinator

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Academic requirements

Academic requirements for prospective students of Master of Pharmaceutical Sciences are as follows:

- Graduated with Bachelor of Pharmacy or other relevant fields, namely chemistry, biology and chemical engineering.
- Preferably GPA 2.50.
- Have a minimum ELPT/TOEFL/Equivalent score of 450.
- Have chosen one of the specializations provided.
- Have assigned a research topic or thesis.
- Specializing in Pharmacy Policy and Management, preferably with a Pharmacist certificate or Bachelor of Pharmacy with work experience in pharmaceutical distribution and service units, as evidenced by a portfolio that must be included during registration (online).

Tuition Fee

Tuition fee include the Education Operational Contribution (SOP) of IDR 8,500,000 (Eight million five hundred thousand rupiah) per person per semester, added with the Educational Development and Improvement Contribution (SP3) of IDR 10,000,000 (Ten million rupiah) which is paid once at the time of entry.

Registration Procedures

Registration is carried out in an integrated manner via online on the website <http://ppmb.unair.ac.id> to the Central Committee for New Student Admissions (PPMB) Universitas Airlangga by following the established procedures.

Capacity

The capacity for new student admissions for the Master Program in Pharmaceutical Sciences starting from the 2012/2013 Academic Year is 40 (forty) students per year. Admission of new students in each Academic Year is carried out 2 (two) times, each in Odd Semester (20 students) and Even Semester (20 students).

MASTER PROGRAM (S2) PHARMACEUTICAL SCIENCES Faculty of Pharmacy

Contact



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Master of Pharmaceutical Science

Profile

One indicator of the progress of a nation is the number and quality of human resources. The high number of university graduates, especially those with Master's degrees, means the ability of a nation to produce inventions, innovations and developments in science and technology, as well as its application to solve various national difficulties.

This study program has been established since 1984 with a license from DIKTI No. 593/DIKTI/Kep/1993, and the **Superior** accreditation (LAM-PTKs) based on Decree No. 0178/LAM-PTKs/Akr/Mag/V/2021. This study program is managed by 27 permanent lecturers with doctoral and professor qualifications. Outsourcing programs for the expert staff or practitioners recruitment have also been developed to improve the quality of the teaching and learning process.

Master Program in Pharmaceutical Sciences aims to produce graduates who have the competence to:

- 1) Develop the knowledge and technology in the field of pharmaceutical sciences through research to produce innovative and certified projects.
- 2) Solve challenges in knowledge and technology regarding Pharmaceutical Sciences through an inter or multidisciplinary approach.
- 3) Manage research and development that is beneficial to society along with science, including be able to gain national and international recognition.

Academic Degree & Number of Graduates

- Students declared to have passed are entitled to an academic title Master of Pharmacy (M.Farm.).
- As of the end of February 2022, this study program has graduated 409 Masters of Pharmacy from education, government, industry, pharmacy and other institutions.

Testimonials



**Shah Faisal., Pharm.D., M.Farm.
Pakistan**

Words cannot describe how lucky I am as one of the alumni of department of community pharmacy UNAIR. The faculty is always helpful and caring. They provided me a strong fundamental knowledge about theory and research as a healthcare professional. Being a student at the faculty my analytical, and practical's skills improved beyond my imaginations.

I chose to study cosmetic science because it has a great opportunity to be developed, either in the field of research or business. I feel proud to have the opportunity to study cosmetic science at Faculty of Pharmacy UNAIR because I can be guided by expert lecturers.



**apt. Fransisca Dita Mayangsari, S.Farm., M.Farm.
Indonesia**

Curriculum Structure

| No | Courses | | Semester Credit Unit | | | | |
|-----------------------------------|---------|--|----------------------|----------|----------|--------------|--------------|
| | Code | Name | Lectures | Tutorial | Practice | Total | |
| SEMESTER I | | | | | | | |
| 1 | | Research Methodology | 2 | - | - | 2 | |
| 2 | | Philosophy of Science | 2 | - | - | 2 | |
| 3 | | Statistics | 2 | - | - | 2 | |
| 4 | | Compulsory Courses for Field of Interest | 10 | - | - | 10 | |
| | | | | | | Total | 16 |
| SEMESTER II | | | | | | | |
| 5 | | Compulsory Courses for Field of Interest + Supporting Thesis Courses | 14-16 | - | - | 14-16 | |
| 6 | | Thesis Proposal | 2 | - | - | 2 | |
| | | | | | | Total | 16-18 |
| SEMESTER III-IV | | | | | | | |
| 7 | | Thesis | 6 | - | - | 6 | |
| | | | | | | Total | 6 |
| Total Semester Credit Unit | | | | | | | 38-40 |

*Study can be completed in 3 semesters or 1,5 years.

Compulsory Courses for MPPS include: **Research Methodology, Philosophy of Science, and Statistics.**

Compulsory Courses for Field of Interest include:

- 1) **Pharmaceutical Analysis:** Instrumental Analysis and Electrochemistry, Advanced Spectroscopy, Advanced Chromatography, Bioanalysis, Food Quality and Safety, Advanced Clinical Chemistry, Microbiological Analysis, Analytical Methods Development and Validation;
- 2) **Natural Product Chemistry:** Molecular Biology, Advanced Pharmaceutical Biotechnology, Advanced Phytochemistry, Phytotherapy, Phytopharmaceuticals, Genetic Engineering, Bioactivity of Natural Products, Mammalian Cell Culture;
- 3) **Drug Development:** Organic Synthesis, Physical Organic Chemistry, Molecular Pharmacology, Pharmacometrics, Structure-Activity Relationship, Drug Designs;
- 4) **Biomedical Pharmacy:** Molecular Pharmacology, Advanced Biopharmaceutics, Advanced Pharmacokinetics, Drug Development, Pharmacometrics, Advanced Pharmacotherapy, Pharmacogenomics and Proteomics, Bioethics and Clinical Trial;
- 5) **Drug Delivery Systems:** Advanced Biopharmaceutics, Advanced Physical Pharmacy, Nanoparticle Technology, Drug Delivery and Targeting, Advanced Drug Delivery System, Pharmaceutical Polymer, Biopharmaceutical Products;
- 6) **Cosmetics:** Cosmetics Formulation, Cosmetics Safety, Evaluation & Regulation of Cosmetics, Cosmetics Labelling and Packaging, Delivery Systems for Cosmetics, Anti-aging Preparations, Skin Whitening Preparations, Skin & Cosmetics;
- 7) **Pharmacy Policy & Management:** Pharmaceutical Services Management, Pharmaceutical Marketing & Consumer Behaviour, Pharmaceutical Logistics Management, Pharmacy Law and Ethics, Policy Analyses, Health Management, Professional Communication, Pharmacoeconomics;

Registration Timeline

ODD SEMESTER ACADEMIC YEAR OF 2022/2023 MASTER PROGRAM

| ACTIVITY | TIMELINE | |
|--|--------------------------|----------------------|
| | 2 nd Wave | 3 rd Wave |
| Registration | 30 March - 19 April 2022 | 2 - 21 Juni 2022 |
| Verification of Registration Documents | 30 March - 20 April 2022 | 2 - 22 Juni 2022 |
| Correction of Registration Documents | 30 March - 20 April 2022 | 2 - 22 Juni 2022 |
| Payment of Selection Fee | 30 March - 20 April 2022 | 2 - 22 Juni 2022 |
| Academic Potential Test, TOEFL | 23 April 2022 | 25 Juni 2022 |
| Interview Test | 23 April 2022 | 25 Juni 2022 |
| Result Announcement | 26 April 2022 | 28 Juni 2022 |

EVEN SEMESTER ACADEMIC YEAR OF 2022/2023 MASTER PROGRAM

| ACTIVITY | TIMELINE | |
|--|-----------------------|--------------------------------|
| | 1 st Wave | 2 nd Wave |
| Registration | 1 - 20 September 2022 | 29 September - 24 October 2022 |
| Verification of Registration Documents | 1 - 21 September 2022 | 29 September - 25 October 2022 |
| Correction of Registration Documents | 1 - 21 September 2022 | 29 September - 25 October 2022 |
| Payment of Selection Fee | 1 - 21 September 2022 | 29 September - 25 October 2022 |
| Academic Potential Test, TOEFL | 24 September 2022 | 29 October 2022 |
| Interview Test | 24 September 2022 | 29 October 2022 |
| Result Announcement | 28 September 2022 | 2 November 2022 |

ATTENTION :

1. For study programs in which the capacity has been met, registration will not be re-opened in the next batch. Please check for updated information on the Registration page.
2. Registration must be done according to a predetermined schedule (other than that schedule is closed). All participant negligence that impacts the registration process is entirely the responsibility of the participant.