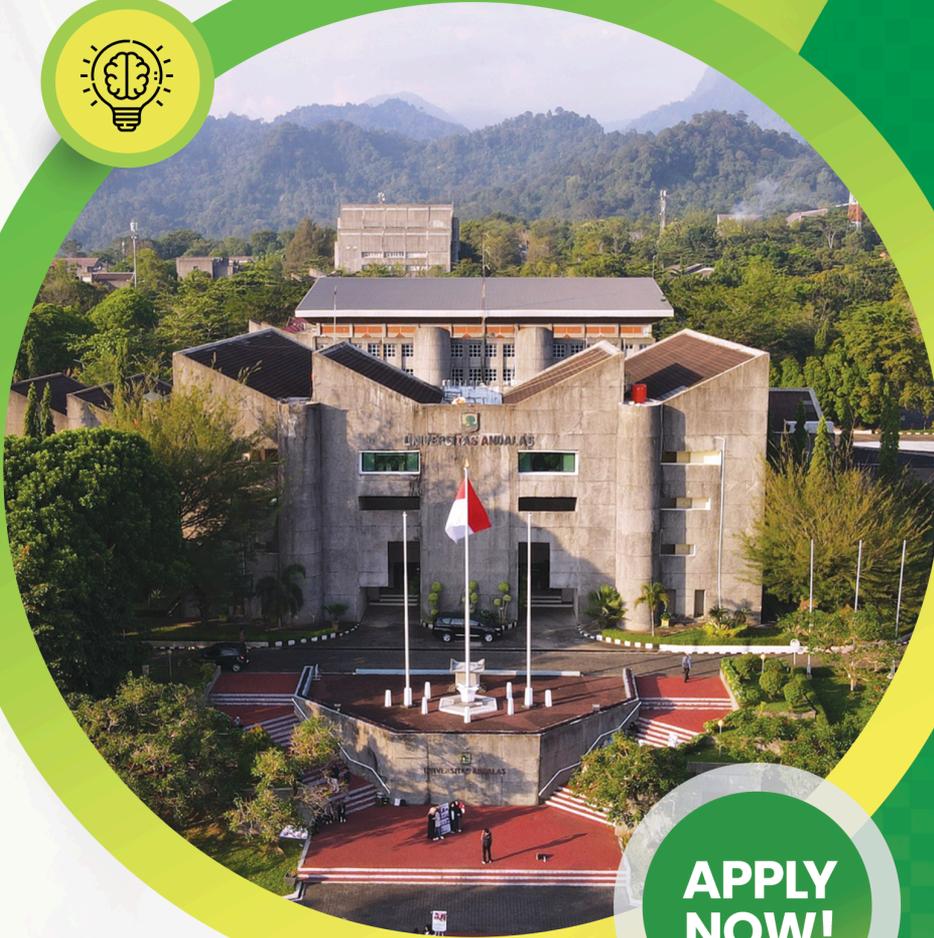




UNIVERSITAS ANDALAS
For The Glory of The Nation



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UNIVERSITAS
ANDALAS

STUDY PROGRAMS PROFILE FOR KNB SCHOLARSHIP 2026

Your Gateway to Global Opportunities



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Welcome to Universitas Andalas (UNAND), a State University with Legal Entity Status (PTN-BH) committed to becoming a Distinguished and Dignified World-Class University.

At UNAND, learning goes beyond the classroom. Students grow within a dynamic, collaborative, and research-driven academic environment. Supported by a green campus, modern facilities, and a strong academic system, UNAND provides an ideal place to build global competence and meaningful impact.



WHY choose UNAND!

UNAND offers a strong combination of academic excellence, research productivity, and modern infrastructure. Making it an outstanding choice for students from around the world.



Excellent Accredited University
with nationally and internationally
recognized study programs

Internationally Certified Programs
(FIBAA, ASIIN, AUN-QA, ABET, IABEE,
RSC)

**Top Research & Innovation
Performance**
ranked 6th nationally (SINTA 2024)

**Research-Driven Learning
Environment** with active student
involvement in innovation projects

Modern Academic Facilities
smart classrooms, advanced
laboratories, discussion spaces, student
dormitories

**5-Star Accredited Universitas
Andalas Hospital**
for campus health services

**Global Partnerships in
32 Countries**
enabling international collaboration and
exchange

**Multicultural & International
Student Experience**
enriched by Minangkabau culture



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Experience a world-class, research-driven academic environment with internationally recognized programs and modern digital learning facilities. Grow across cultures, build real impact, and turn ambition into achievement.

**Join us at Universitas Andalas
your gateway to global
opportunities.**



UNIVERSITAS ANDALAS



EXPLORE OUR PROGRAM FOR KNB SCHOLARSHIP

Faculty	Study Program	Bachelor	Master	Doctoral
Faculty of Social and Political Sciences	Communication Science	✓	✓	
	Political Science	✓	✓	
	Public Administration	✓	✓	
	International Relations	✓		
	Antropology		✓	
	Sociology		✓	
Faculty of Pharmacy	Pharmacy	✓		
Faculty of Engineering	Electrical Engineering	✓		
	Industrial Engineering	✓		
	Mechanical Engineering	✓		
	Civil Engineering	✓	✓	✓
Faculty of Economics and Business	Management	✓	✓	
	Accounting	✓	✓	
	Economics		✓	
Faculty of Law	Law			✓
Faculty of Mathematics and Natural Sciences	Biology		✓	✓
	Chemistry		✓	
	Mathematics		✓	
Faculty of Agriculture	Plant Protection	✓	✓	
	Agronomy		✓	
	Agribusiness	✓		
	Agrotechnology	✓		
Faculty of Agricultural Tehnology	Agricultural and Biosystems Engineering	✓		
	Agricultural Industrial Technology		✓	
Faculty of Humanities	Literature		✓	
	Linguistics		✓	
	Indonesian Literature	✓		
Faculty of Information Technology	Computer Engineering	✓		
	Information System	✓		
Faculty of Public Health	Public Health		✓	✓
Faculty of Animal Husbandry	Animal Sciences			✓
Graduate School	Development Studies			✓



INTERNATIONAL STUDENT VOICES



Mir Ehtisham Hussain Shafa (Pakistan)
"a welcoming environment for international students. As a social sciences student, I believe UNAND is really a good place especially for social sciences student to explore Indonesian's system of government."



Ysmayyl Kakajanov (Turkmenistan)
"I really enjoy the green campus environment and the tropical weather. I'm a big fan of tropical forests and nature."



Nabaggala Aisha (Uganda)
"There are many things we can do here, lots of great places to hang out and"

INTERNATIONAL STUDENT ACTIVITIES

Halal Bihalal Gathering



Cultural Exploration Trip to Bukittinggi



SISSCa International Cultural Carnival Participation



Outbound Adventure at Pasumpahan Island



Community & Culture Program at Kubu Gadang Tourism Village, Padang Panjang

Accounting

The Accounting Study Program aims to produce graduates with strong accounting competencies and capabilities who are able to compete and pursue careers globally in both the private and public sectors. Graduates are expected to be independent, honest, ethical, and highly committed professionals.

In addition, the Accounting Study Program seeks to generate high-quality accounting research in both the private and public sectors, to conduct community service activities in the field of accounting that contribute to solving organizational and societal challenges, and to establish mutually beneficial partnerships with industry, professional organizations, government institutions, and international organizations.

 **Academic Degree:**
Bachelor of Accounting (S.Ak.)

 **Normal Study Period:**
8 semesters (4 years)

 **Total Credits:**
144 credits

 **Campus Location:**
Limau Manis, Padang

Strengths

- The Accounting Study Program has held international accreditation from FIBAA since 2022 and achieved the “Excellent” status in the 2025 national accreditation by LAMEMBA.
- More than 60% of the academic staff hold doctoral degrees and actively collaborate with industry experts through the Practitioner Teaching Program.
- Students may choose to enroll in either regular or international classes and have opportunities to participate in international student mobility programs.
- The Accounting Study Program has a strong alumni network, with graduates working across the business sector and government institutions.

Fields of Study

The Accounting Study Program focuses on seven main areas of study: Financial Accounting, Management Accounting, Auditing, Public Sector Accounting, Taxation, Accounting Information Systems, and Governance, Risk, and Compliance (GRC).

Career Prospects

Graduates of the Accounting Study Program may pursue careers in the following sectors:

1. Public Accounting Firms
2. National and multinational companies as management accountants
3. State-Owned Enterprises
4. Banking and financial institutions
5. Government institutions (central and local governments)
6. Education sector (universities and higher education institutions)
7. Non-profit organizations



For More Information:

Website:
<https://akuntansi.feb.unand.ac.id/index.php>

Brochure:
<https://akuntansi.feb.unand.ac.id/index.php>



Course Structure

Semester 1

MWU60103 Civics Education (2)
FEB60101 English Grammar
and Academic Writing (2)
AKT61103 Information Technology
and Database Design (2)
AKT61101 Introduction To Accounting (3)
AKT61126 Introduction To Business (3)
AKT61127 Introduction To Economics (3)
AKT61102 Introduction To Taxation (3)
MWU60102 Pancasila (2)

Semester 2

AKT62106 Cost Accounting (3)
MWU60104 Indonesian Language (2)
AKT62105 Intermediate Financial Accounting I (3)
AKT62130 Introduction To Business Law (2)
AKT62128 Introduction To Management (3)
AKT62129 Math For Business Finance (3)
MWU60101 Religion (2)
AKT62104 Taxation (3)

Semester 3

AKT61111 Accounting Information System (3)
AKT61110 Auditing I (3)
AKT61131 Financial Management I (3)
AKT61108 Intermediate Financial Accounting II (3)
AKT61109 Management Accounting (3)
AKT61132 Operation Management (3)
AKT61112 Risk Management (2)
AKT61107 State And Regional Finance (3)

Semester 4

AKT62117 Analysis And System Design (3)
AKT62115 Auditing II (3)
AKT62113 Contemporary Corporate Budgeting (3)
AKT62136 Financial Management II (3)
AKT62116 Governmental Accounting (3)
AKT62114 Intermediate Financial Accounting III (3)
AKT62133 Multivariate Statistics (3)

Note: (x) denotes the number of credits.

Semester 5

AKT61118 Advanced Financial Accounting I (3)
AKT61119 Advanced Management Accounting (3)
AND60102 Entrepreneurship (3)
FEB60301 Research Methodology (3)
AKT61135 Strategic Management (3)
AKT61120 Tax Accounting (3)

Semester 6

AKT62124 Accounting Theory (3)
AKT62121 Advanced Financial Accounting II (3)
AND60101 Community Service (0)
AKT62123 Financial Reporting (3)
AKT62122 Management Control System (3)
AKT62204 Internal Auditing (3)
AKT62208 International Finance Management (3)
AKT62207 Management Information System (3)
AKT62205 State Financial Auditing (3)

Semester 7

FEB60401 Undergraduate Thesis (6)

Semester 8

Elective Course

Curriculum

Click the link to view:
<https://akuntansi.feb.unand.ac.id/index.php>

Management

The Undergraduate Management Study Program at Universitas Andalas is designed to develop future leaders who are adaptive, ethical, and globally competitive. Grounded in modern management science, the program equips students with competencies in business, entrepreneurship, research, technology, and leadership that align with the demands of the digital and global economy.

Amid the era of digitalization, globalization, and uncertainty, graduates of the Undergraduate Management Program at Universitas Andalas are expected to integrate data analysis, the effective use of technology, entrepreneurial mindset, and business ethics into real-world practice. Ultimately, graduates possess strategic thinking, problem-solving abilities, effective communication skills, leadership capacity, and cross-cultural collaboration competencies that remain relevant and irreplaceable by automation.

 **Academic Degree:**
Bachelor of Management (S.M.)

 **Normal Study Period:**
8 semesters (4 years)

 **Total Credits:**
144 credits

 **Campus Location:**
Limau Manis, Padang

Strengths

- “Excellent” accreditation from LAMEMBA (2022) ensures the quality of education and national recognition of the Undergraduate Management Study Program.
- International accreditation from AUN-QA confirms Southeast Asian-level academic standards and the global competitiveness of graduates.
- High-quality human resources, with professors across all major fields of management, ensure academic depth and excellence in teaching.
- An Outcome-Based Education (OBE) curriculum aligned with industry needs, entrepreneurship, and future business challenges.

Fields of Study

The fields of study of the Undergraduate Management Study Program include financial management, marketing management, human resource management, operations management, organizational management, entrepreneurship, and strategic management. These areas are complemented by business research, the application of information technology, ethics, and sustainability.

Career Prospects

Graduates of the Undergraduate Management Study Program have broad career prospects as managers, entrepreneurs, business consultants, and professional employees across various sectors. In addition, graduates may pursue careers as researchers and lecturers by continuing their studies at the postgraduate level. Strong managerial, analytical, entrepreneurial, and business ethics competencies enable graduates to be adaptive, competitive, and highly relevant to the demands of the future workforce.



For More Information:

Website:
<https://manajemen.feb.unand.ac.id/>

Brochure:
<https://manajemen.feb.unand.ac.id/>



Course Structure

Semester 1

MNJ80101 Leadership & Organizational Behaviour (3)
MNJ80102 Economics for Managers (3)
MNJ80103 Corporate Finance (3)
MNJ80104 Marketing for Southeast Asian (3)
MNJ80105 Managing Information Technology (2)
MNJ80109 Research Method for Management (2)

MANDATORY Weekend Class Concentration

MNJ80205 Human Resource Planning & Development (3)
MNJ80206 Advanced Human Capital Management (2)
MNJ80207 Performance Management (2)
MNJ80208 Consumer Behaviour (3)
MNJ80209 Service Marketing (2)
MNJ80210 Integrated Marketing Communication (2)
MNJ80201 Advanced Strategic Management (3)
MNJ80211 Strategic Leadership (2)
MNJ80212 Merger and Acquisition (2)
MNJ80213 Investment (3)
MNJ80214 Advanced Financial Information Analysis (2)
MNJ80215 International Corporate Finance (2)

Semester 2

MNJ80106 Human Capital Management (3)
MNJ80107 Operations Management (3)
MNJ80108 Strategic Management (3)
MNJ80110 Business Simulation and Analysis (3)
Elective (3)

Semester 3

MNJ80201 Advanced Strategic Management (2)
MNJ80202 Strategic Finance (2)
MNJ80203 Strategic Marketing (2)
MNJ80204 Strategic HRM (2)
MNJ80111 Thesis (4)

Semester 4-8

Elective Course

Curriculum

Click the link to view:

<https://manajemen.feb.unand.ac.id/index.php/layanan/akademik/kurikulum>

Note: (x) denotes the number of credits.

Pharmacy

 **Academic Degree:**
Bachelor of Pharmacy
(S.Farm.)

 **Normal Study Period:**
8 semesters (4 years)

Strengths

Excellence in the development of pharmaceutical formulations based on local natural resources and innovative pharmaceutical care services that are adaptive to the era of Industry 4.0.

 **Total Credits:**
146 credits

 **Campus Location:**
Limau Manis, Padang

The Undergraduate Pharmacy Study Program (PSSF) at Universitas Andalas focuses on developing high-quality and competitive pharmacy graduates, particularly in pharmaceutical dosage forms based on natural medicinal resources and pharmaceutical care services.

The curriculum is designed based on Outcome-Based Education (OBE) to address the challenges of Industry 4.0 and digitalization through the integration of pharmaceutical sciences with communication, management, and human behavior skills. In accordance with the National Standards of Higher Education and the Professional Standards for Pharmacists, and supported by the Merdeka Belajar–Kampus Merdeka (MBKM) policy, PSSF prepares competent and adaptive graduates with a strong research advantage rooted in local biodiversity.



Fields of Study

The Undergraduate Pharmacy Program at Universitas Andalas focuses on pharmaceutical dosage form development, particularly natural medicinal products, from active compound isolation to standardized formulations. It also covers clinical and community pharmacy emphasizing patient safety. The curriculum integrates pharmaceutical technology, chemistry, pharmacology, biotechnology, regulation, management, and digital health systems to prepare graduates for diverse healthcare and industrial careers.

Career Prospects

Graduates enjoy diverse career opportunities in pharmaceutical R&D, QA, and QC, as well as in hospitals, pharmacies, and community health centers. They may also work in government agencies such as BPOM and the Ministry of Health as regulators or inspectors. Other pathways include research, academia, and entrepreneurship in natural medicinal products, supported by strong digital and managerial competencies.

For More Information:

Website:
<https://ffarmasi.unand.ac.id/>

Brochure:
<https://tinyurl.com/Farmasi-BrochureUA>



Course Structure

Semester 1

FSF61101 Introduction to Pharmaceutical Science, Ethics, and Regulation (2)
FSF61102 Cell and Molecular Biology (2)
FSF61103 Human Anatomy, Physiology, and Pathophysiology (2)
FSF61104 Practicum of Human Anatomy, Physiology, and Pathophysiology (1)
FSF61105 Basic Analytical Chemistry (2)
FSF61106 Practicum of Basic Analytical Chemistry (1)
FSF61107 Pharmaceutical Organic Chemistry I (2)
FSF61108 Pharmaceutical Microbiology (2)
FSF61109 Practicum of Pharmaceutical Microbiology (1)
FSF61110 Physical Pharmacy I (2)
MWU60102 Pancasila (2)

Semester 2

MNJ80101 Leadership & Organizational Behaviour (3)
MNJ80102 Economics for Managers (3)
MNJ80103 Corporate Finance (3)
MNJ80104 Marketing for Southeast Asian (3)
MNJ80105 Managing Information Technology (2)
MNJ80109 Research Method for Management (2)

Semester 3

FSF61122 Introduction to Pharmaceutical Facilities (1)
FSF61123 Natural Products Chemistry I (2)
FSF61124 Gastroenterology and Hepatology Pharmacotherapy (2)
FSF61125 Qualitative Pharmaceutical Analysis (2)
FSF61126 Practicum of Qualitative Pharmaceutical Analysis (1)
FSF61127 Medicinal Chemistry I (2)
FSF61128 Compounding Pharmacy (2)
FSF61129 Compounding Pharmacy Practicum (1)
FSF61130 Pharmacognosy (2)
FSF61131 Pharmacognosy Practicum (1)
FSF61132 Immunology and Serology (2)
FSF61133 Practicum of Immunology and Serology (1)
AND60102 Entrepreneurship (2)

Semester 4

FSF62134 Research Methods and Biostatistics (2)
FSF62135 Natural Products Chemistry II (2)
FSF62136 Practicum of Natural Products Chemistry (1)
FSF62137 Respiratory, Cardiovascular, and Renal Pharmacotherapy (2)
FSF62138 Quantitative Pharmaceutical Analysis (2)
FSF62139 Practicum of Quantitative Pharmaceutical Analysis (1)
FSF62140 Medicinal Chemistry II (2)
FSF62141 Liquid and Semi-Solid Dosage Form Technology (2)
FSF62142 Practicum of Liquid and Semi-Solid Dosage Form Technology (1)
FSF62143 Herbal Medicines (2)
FSF62144 Musculoskeletal and Sensory System Pharmacotherapy (2)
MWU60104 Indonesian Language (2)

Note: (x) denotes the number of credits.

Semester 5

FSF61145 Community Pharmacy (2)
FSF61146 Pharmaceutical Logistics Management (2)
FSF61147 Immunology, Infection, and Cancer Pharmacotherapy (2)
FSF61148 Pharmaceutical Specialties and Medical Devices (1)
FSF61149 Pharmaceutical Waste Management (1)
FSF61150 Solid Dosage Form Technology (2)
FSF61151 Practicum of Solid Dosage Form Technology (1)
FSF61152 Biopharmaceutics and Pharmacokinetics (2)
FSF61153 Practicum of Biopharmaceutics and Pharmacokinetics (1)
FSF61154 Pharmacy Management (2)
FSF61155 Endocrine, Obstetric, and Gynecologic Pharmacotherapy (2)
FSF61156 Pharmacoeconomics (1)
MWU60101 Religion (2)

Semester 6

FSF62157 Pharmacovigilance (2)
FSF62158 Clinical Pharmacy (2)
FSF62159 Practicum of Pharmacotherapy and Clinical Pharmacy (1)
FSF62160 Neurological and Psychiatric Pharmacotherapy (2)
FSF62161 Aseptic Dispensing (1)
FSF62162 Prescription Review, Dispensing, and Drug Counseling (2)
FSF62163 Practicum of Prescription Review, Dispensing, and Drug Counseling (1)
FSF62164 Drug Information, Communication, and Education (2)
FSF62165 Clinical Pharmacokinetics (2)
FSF62166 Sterile Dosage Form Technology (2)
FSF62167 Practicum of Sterile Dosage Form Technology (1)
FSF62168 Industrial Pharmacy (2)

Semester 7

FSF60169 Proposal Seminar (1)
AND60101 Community Service Program (KKN) (4)

Semester 8

FSF60170 Undergraduate Thesis and Comprehensive Examination (4)

Curriculum

Click the link to view:

<https://ffarmasi.unand.ac.id/index.php/kurikulum-farmasi/summary/12-kurikulum/60-kurikulum-s1-sarjana.html>

Indonesian Literature

The Indonesian Literature Study Program was established concurrently with the founding of the Faculty of Letters at Universitas Andalas in 1982 (the Faculty of Letters was renamed the Faculty of Cultural Sciences in December 2011). Officially, the Indonesian Literature Study Program was established on 8 December 1983, based on the Decree of the Minister of Education and Culture No. 0538/1983 and the Decree of the President of the Republic of Indonesia No. 39 of 1982 concerning the Indonesian Literature Study Program at Universitas Andalas (Unand). Currently, the Indonesian Literature Study Program at Universitas Andalas is recognized as a leading and reputable program at the global level in the development of Indonesian linguistics and literary studies. The program has achieved Excellent Accreditation from the National Accreditation Board for Higher Education (BAN-PT) and has also obtained international accreditation from FIBAA (Foundation for International Business Administration Accreditation).

-  **Academic Degree:** Bachelor of Humanities (S.Hum.)
-  **Normal Study Period:** 8 semesters (4 years)
-  **Total Credits:** 149 credits
-  **Campus Location:** Limau Manis, Padang

Strengths

- The Indonesian Literature Study Program at Universitas Andalas holds “Excellent” national accreditation from the National Accreditation Board for Higher Education (BAN-PT) and international accreditation from FIBAA (Foundation for International Business Administration Accreditation).
- Nearly all academic staff of the Indonesian Literature Study Program have extensive experience teaching Indonesian for Speakers of Other Languages (BIPA) abroad, including in Europe, Korea, Japan, and Australia, and are actively engaged in writing books, media articles, and scholarly publications.
- Many faculty members conduct research funded at both national and international levels.
- The Indonesian Literature Study Program serves as the central hub for Indonesian language instruction for international students at Universitas Andalas.

Fields of Study

The fields of study in the Indonesian Literature Study Program encompass Indonesian linguistics and literary studies, which are delivered through linguistics-related courses such as Introduction to General Linguistics, Phonology, Morphology, and related subjects. The program also offers literature courses, including Introduction to Literary Studies, Literary Theory, Prose Studies, Drama Studies, Manuscript Studies, Philology, Textual Criticism, and Literary Criticism. In addition, students develop speaking skills through courses such as Rhetoric; writing skills through Creative Writing, Composition, Journalism, and Literary Creation and Performance; as well as teaching competencies in Indonesian for Speakers of Other Languages through BIPA (Bahasa Indonesia untuk Penutur Asing) courses.

Career Prospects

Graduates actively preserve Indonesian language and literature, address linguistic and literary issues, and demonstrate professionalism and leadership in related fields. Alumni pursue diverse careers across government, education, media, tourism, publishing, and creative industries.



For More Information:

Website:
<https://sasindo.fib.unand.ac.id/>

Brochure:
<https://sasindo.fib.unand.ac.id/>



Course Structure

Semester 1

HKU141-5 Religious Education (3)
HKU101 Civic Education (3)
HKU102 Basic Natural Science (3)
FIB109 Indonesian Language (3)
FIB108 Indonesian Cultural History (2)
INA112 Introduction to General Linguistics (3)
INA129 Introduction to Literature Studies (3)
INA149 English (3)

Semester 2

HKU103 Pancasila Education (3)
FIB209 Basics of Cultural Studies (3)
FIB210 Ethnography of Minangkabau (3)
INA213 Phonology (3)
INA233 Literary Theory (3)
INA234 Oral Literature (2)
INA351 Arabic (3)
INA453 Dutch (3)

Semester 3

FIB311 Audio Visual (3)
FIB211 Introduction to Journalism (2)
INA314 Morphology (3)
INA330 Poetry (3)
INA331 Prose (3)
INA335 History of Indonesian Literature (3)
INA344 Introduction to Philology (2)
INA557 Rhetoric (2)
INA739 Folklore (2)

Semester 4

INA415 Syntax (3)
INA432 Drama Studies (3)
INA619 Stylistics (2)
INA437 Aesthetics (2)
INA445 Manuscript Analysis (2)
INA256 Arts Management (2)
INA617 Pragmatics (3)
INA448 Composition (3)
INA418 School of Linguistics (2)

Note: (x) denotes the number of credits.

Semester 5

INA516 Semantics (3)
INA521 Dialectology (2)
INA536 Literary Criticism (2)
INA46 Text Criticism (2)
INA720 Discourse (3)
Semiotics (2)

Semester 6

INA622 Lexicology (2)
INA623 Comparative Historical Linguistics (2)
INA624 Linguistic Research Methods (3)
INA638 Literary Research Methods (3)
Entrepreneurship (2)

Semester 7

AND401 Community Service Program (4)
INA725 Seminar in Linguistics (2)
INA740 Seminar in Literature (2)

Semester 8

INA870 Thesis (6)

Curriculum

Click the link to view:

<https://tinyurl.com/Bindo-Curriculum>

Public Administration

The Public Administration Study Program at Universitas Andalas develops students' academic and professional competencies in public sector management, public policy analysis and formulation, and the governance of public sector organizations that are adaptive, accountable, and collaborative. The curriculum is designed in line with the latest developments in public administration by integrating evidence-based policy approaches, the perspective of New Public Governance, and public service innovation within both global and local contexts.

Public Administration education at Universitas Andalas is highly relevant to future challenges, particularly in responding to digital government transformation, increasing demands for public transparency and accountability, and strengthening community participation in sustainable governance (Accreditation: B).

 **Academic Degree:**
Bachelor of Public Administration
(S.A.P.)

 **Normal Study Period:**
8 semesters (4 years)

 **Total Credits:**
144 credits

 **Campus Location:**
Limau Manis, Padang

Strengths

- A strong focus on public policy practice and responsive governance.
- Development of governance-based public management competencies.
- An applied curriculum aligned with the needs of the public sector.
- Graduates prepared for careers in government, policy analysis, and public consultancy.

Fields of Study

The main areas of study include public policy, governance, public organization administration, public sector human resource management, public ethics, and policy analysis. The focus is on improving the efficiency of public service delivery and developing strategic responses to future socio-governance challenges.

Career Prospects

Graduates may pursue careers as public policy analysts or policy designers in government institutions and research organizations; civil servants across various agencies; policy consultants; public project managers; professional staff in legislative bodies or international organizations; as well as professionals in non-profit organizations and the private sector related to public management and corporate social responsibility (CSR).



For More Information:

Website:
<https://fisip.unand.ac.id/>

Brochure:
<https://fisip.unand.ac.id/>



Course Structure

Semester 1

Fundamentals of Social Sciences (3)
Fundamentals of Political Science (3)
Fundamentals of Logic (3)
English (3)
Introduction to Public Administration (3)
Principles of Management (3)

Semester 2

Indonesian Language & Scientific Writing (2)
Indonesian Economic System & Development (3)
Indonesian Legal System (3)
Indonesian Social, Cultural & Political Systems (3)

Semester 3

Fundamentals of Social Research (3)
Institutional Science (3)
Public Administration & Social Theory (3)
Comparative State Administration (3)
Public Administration Village & District (3)
Organizational Communication (3)

Semester 4

Human Resource Management in Public Sector (3)
Organizational Behaviour (3)
Decision-making (3)
Public Finance (3)
Public Service Management (3)
Population Policy & Empowerment (3)
Project Management (3)
Development Issues (3)

Semester 5

Public Policy Analysis (3)
Qualitative Administrative Research Methods (3)
Quantitative Administrative Research Methods (3)
Digital Governance (3)
Health Policy & Management (3)

Semester 6

Transportation Policy & Management (3)
Urban Planning & Social Policy (3)
Tourism Development (3)
Public Sector Performance Management (3)
Regional Development Planning (3)
Strategic Management in Public Sector (3)

Semester 7

Implementation & Evaluation of Public Policy (3)
Public Sector Economic Policy (3)
Innovation Management (3)
Big Data & Data Analytics (3)
Planning and Budgeting Policy (3)

Note: (x) denotes the number of credits.

Curriculum

Click the link to view:
<https://fisip.unand.ac.id/>

International Relations

The International Relations Study Program at Universitas Andalas is designed to produce excellent, adaptive, and globally competitive graduates capable of addressing the dynamics of international politics, economics, society, and technology.

The outcome-based education (OBE) curriculum integrates the study of diplomacy, foreign policy, global governance and communication, as well as the use of data and digital technologies. Supported by English-taught instruction, qualified academic staff, and international engagement experiences, the program equips graduates with strong analytical, professional, and ethical competencies. Graduates are prepared to respond to future demands through digital literacy, strategic thinking, and meaningful contributions to national development and sustainable global governance. (Accreditation: B)

 **Academic Degree:**
Bachelor of International Relations (S.IP)

 **Total Credits:**
144 credits

 **Normal Study Period:**
8 semesters (4 years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- International-standard learning through English-taught classes and an outcome-based education (OBE) curriculum.
- Strong academic support from faculty members who are graduates of reputable domestic and international universities and are actively engaged in national and international research and publications.
- International engagement experiences through student exchange programs, international conferences, and cross-border collaborations.
- Opportunities for academic achievement and personal development at local, national, and international levels through competitions and academic activities.

Fields of Study

Foreign policy and diplomacy; global governance; global political economy; and regional studies.

Career Prospects

Graduates have career opportunities as analysts of global policy and diplomatic strategy, strategists in international communication and public diplomacy, designers of global governance and international cooperation frameworks, as well as entrepreneurs and global business innovators driven by technology and sustainability.



For More Information:

Website:
<https://hi.fisip.unand.ac.id>

Brochure:
<https://hi.fisip.unand.ac.id>



Course Structure

Semester 1

MWU60102 Pancasila Education (2)
MWU60103 Civic Education (2)
ISF61101 Fundamentals of Social Sciences (3)
ISF61102 Fundamentals of Political Science (3)
MWU60101 Religious Education (2)
MWU60104 Indonesian (2)
SHI61101 Introduction to International Relations (3)
SHI61102 Introduction to Global Political Economy (3)

Semester 2

SHI62103 Global Political Economy Theory (3)
SHI62104 International Relations Theory I (3)
SHI62105 English for International Relations I (3)
ISF61103 Fundamentals of Logic (3)
SHI62106 International Law (3)
SHI62107 History and Theory of Diplomacy (3)
ISF62104 Public Speaking (3)

Semester 3

SHI61108 English for International Relations II (3)
SHI61109 Foreign Policy Theory (3)
SHI61110 International Politics (3)
SHI61111 International Organisations (3)
SHI61112 International Relations Theory II (3)
SHI61201 French (Elective Course) (3)
SHI61202 Arabic (Elective Course) (3)
SHI61203 Japanese (Elective Course) (3)
SHI61204 Cross-Cultural Studies (Elective Course) (3)

Semester 4

SHI62113 Global Governance (3)
SHI62114 Research Methodology in International Relations I (3)
SHI62115 Strategy and Security Studies (3)
SHI62116 Regional International Relations (3)
SHI62117 International Regime (3)
SHI61205 Human Rights and Global Justice (3)
Elective course

Semester 5

AND60102 Entrepreneurship (3)
SHI61118 Indonesian Foreign Policy (3)
SHI61119 Conflict Management and Resolution (3)
SHI61120 Research Methodology in International Relations II (3)
SHI61121 Development of International Cooperation Framework (3)
Elective Course

Semester 6

AND60101 Practical Work Experience (4)
SHI62122 Diplomatic Practice (3)
SHI62123 International Development (3)
Elective Course

Semester 7

Elective Course

Semester 8

ISF60109 Seminar Proposal (1)
ISF60110 Thesis (6)

Note: (x) denotes the number of credits.

Curriculum

Click the link to view:

<https://hi.fisip.unand.ac.id/kurikulum/>

Communication Science

The Undergraduate Communication Studies Program at Universitas Andalas is designed to produce ethical graduates with critical and creative thinking skills, strong digital competencies, and the ability to conduct research, design communication strategies, and produce data-driven content. Graduates are expected to be adaptive lifelong learners, grounded in local wisdom while remaining nationally and globally competitive. Curriculum development focuses on cultivating learners who are intellectually grounded, ethical, and creative. Students are positioned as lifelong learners who continuously develop critical, creative, and reflective thinking to respond to changes in science, technology, and culture. This philosophy is operationalized through an Outcome-Based Education (OBE) approach, in which the entire curriculum design is oriented toward measurable learning outcomes for graduates.

 **Academic Degree:**
Bachelor of Communication Science
(S.I.Kom.)

 **Normal Study Period:**
8 semesters (4 years)

 **Total Credits:**
144 credits

 **Campus Location:**
Limau Manis, Padang

Strengths

- "A" accreditation from the National Accreditation Board for Higher Education (BAN-PT).

Integration of digital media and strategic communication.
- Modern communication learning facilities, supported by TV and Film Laboratories, podcast studios, and a reading room.
- An adaptive curriculum based on Outcome-Based Education (OBE) and Merdeka Belajar–Kampus Merdeka (MBKM), with ongoing efforts to obtain international accreditation from ACQUIN.
- Strong media industry networks through classes involving media practitioners.

Fields of Study

The curriculum covers character development through religious values, citizenship, and Pancasila; life skills such as entrepreneurship, social science fundamentals, logic, and public speaking; a comprehensive range of communication studies including intrapersonal, interpersonal, group, organizational, and mass communication, as well as photography; communication research using social statistics and both quantitative and qualitative methods; strategic communication involving integrated marketing communication, planning, and event management; and digital media and journalism with a focus on data journalism and investigative reporting.

Career Prospects

Graduates of the Communication Studies Program may pursue a wide range of careers in the field of communication in both governmental and non-governmental institutions, including positions as Public Relations Specialists, Corporate Communication Officers, Media Analysts, Media Planners, Journalists, Photographers, Event Organizers, Film Producers, and Digital Content Creators.



For More Information:

Website:
<https://komunikasi.fisip.unand.ac.id/index.php>

Brochure:
<https://tinyurl.com/kom-Brochure>



Course Structure

Semester 1

MWU60102 Pancasila (2)
MWU60103 Citizenship (2)
ISF61101 Fundamental of Social Sciences (3)
ISF61102 Fundamental of Political Sciences (3)
ISF61104 English for Communication (3)
ISK61105 Introduction to Communication (3)
ISK61106 Photography (3)

Semester 2

MWU60104 Indonesian Languages (3)
ISF62105 Indonesian Economic and Development Systems (3)
ISF62106 Indonesian Legal Systems (3)
ISF62107 Indonesian Economic and Development Systems (3)
ISK62102 Introduction to Public Relations (3)
ISK62103 Introduction to Journalism (3)
ISK62104 Introduction to Management of Communication (3)
ISK62105 Introduction to Cultural and Media Studies (3)

Semester 3

ISF61108 Dasar-Dasar Penelitian Sosial (3)
ISK61107 Interpersonal Communication (3)
ISK61108 Intercultural Communication (3)
ISK61109 Organizational Communication (3)
ISK61110 Psychology of Communication (3)
Elective Course

Semester 4

MWU60101 Religion (2)
ISK62124 Political Communication (3)
ISK62125 Sociology of Communication (3)
ISK62126 Theory of Communication (3)
ISK62127 Quantitative Communication Research Method (A/B/C/D) (3)

Semester 5

AND60102 Entrepreneurship (3)
ISK61136 International Communications (3)
ISK61137 Philosophy of Communication (3)
ISK61138 Statistics for Social (2)
ISK61139 Qualitative Communication Research Method (A/B/C/D) (3)
Elective Course

Semester 6

ISK62148 Propaganda and Public Opinion (2)
ISK62149 Public Speaking (2)
ISK60150 Internship (4)

Semester 7

AND60101 Community Service (4)
ISK61159 Proposal Seminars (1)

Semester 8

ISK62160 Thesis (6)

Note: (x) denotes the number of credits.

Curriculum

Click the link to view:

<https://komunikasi.fisip.unand.ac.id/akademik/kurikulum-detail/1>

Political Science

The study program is designed to produce graduates who are dignified, possess strong integrity, and are internationally competitive in addressing the dynamics of democracy and sustainable governance. The curriculum is developed based on Outcome-Based Education (OBE), aligned with impactful internship policies and international standards (ACQUIN), and is responsive to the challenges of digital politics, globalization, and the complexity of public policy.

The program aims to produce graduates with integrity, public ethics, strong analytical abilities, as well as effective communication skills and collaborative leadership capacity. With an emphasis on democracy, public policy, and sustainable governance, graduates are prepared to address local, national, and global political challenges through innovative and data-driven approaches.

The study program contributes tangibly to the strengthening of democracy, modern governance practices, and evidence-based policymaking.

-  **Academic Degree:**
Bachelor of Political Science (S.IP)
-  **Normal Study Period:**
8 semesters (4 years)
-  **Total Credits:**
144 credits
-  **Campus Location:**
Limau Manis, Padang

Strengths

- Accredited "A" and recognized as the best study program within the Faculty of Social and Political Sciences (FISIP) for three consecutive years (2023, 2024, and 2025).
- An adaptive curriculum based on Outcome-Based Education (OBE), Merdeka Belajar–Kampus Merdeka (MBKM)—awarded Best MBKM Program at Universitas Andalas in 2024—and aligned with international standards, with international accreditation from ACQUIN currently in progress.
- Integration of research, impactful internships, and policy-oriented projects.
- A strong focus on strategic issues, including democracy, environmental sustainability, and political digitalization.
- Support from competent and professional faculty members, strong stakeholder networks, and an active alumni community.

Fields of Study

1. Political Theory and Philosophy
2. Political Systems and Governance
3. Political Communication and Public Participation
4. Political Methodology and Analysis

Career Prospects

Graduates of the Undergraduate Political Science Program have career opportunities as policy analysts, government officials, political practitioners, election organizers, researchers, political journalists, policy consultants, civil society activists, as well as social entrepreneurs and academics.

Course Structure

Semester 1

MWU 60102 Pancasila Education (2)
ISF 61103 Fundamentals of Social Sciences (3)
ISF 61102 Fundamentals of Political Science (3)
ISF 62103 Fundamentals of Logic (3)
ISP 61101 English (3)
ISP 61102 Indonesian Political System (3)
ISP 61103 Introduction to Public Policy (3)

Semester 2

MWU60101 Islamic Religious Education (2)
MWU60104 Indonesian Language and Scientific Writing (2)
MWU60103 Civics Education (2)
ISF62103 Public Speaking (3)
AND60102 Entrepreneurship (3)
ISP62104 Indonesian Political Thought (3)
ISP62105 Women and Politics (3)
ISP62106 Western Political Thought (3)

Semester 3

ISP61107 Political Theory (3)
ISP61108 Development and Political Economy (3)
ISP61109 Political Science Methodology (3)
ISP61110 Decentralisation Politics (3)
ISP61111 Global democratic governance and human rights (3)
ISP61112 Political Parties and Elections in Indonesia (3)
ISP 61113 Integrity and Anti-Corruption (3)

Semester 4

ISP 62114 Governance Theory and Public Management (3)
ISP 62115 Qualitative Political Science Research Methods (3)
ISP 62116 Quantitative Political Science Research Methods (3)
ISP 62117 Islamic Political Theory (3)
ISP 62118 Bureaucracy and Politics (3)
ISP 62119 Legal Drafting (3)
ISP 62120 IT and Election Digitalisation in Indonesia (3)

Note: (x) denotes the number of credits.

Semester 5

ISP 61121 Seminar on Political Issues (3)
ISP 61122 Public Policy Analysis (3)
ISP 61123 Practical Work on Policy Formulation and Implementation (3)
ISP 61124 Political and Digital Democracy (3)
ISP 61125 Political Ethic (3)
ISP 61126 Environmental Politics and Climate Change (3)
ISP 61127 Conflict and Consensus (3)

Semester 6

ISP 62128 E-Government and digital governance (3)
ISP 62129 Political Culture and Etno Politics (3)
ISP 62130 Social Movement (3)
ISP 62131 Desa/Nagari/Village/Nagari Government Politics (3)
ISP 62132 Political Sociology (3)

Semester 7-8

Elective Course



For More Information:

Website:
<https://ilmupolitik.fisip.unand.ac.id/>

Brochure:
<https://ilmupolitik.fisip.unand.ac.id/>



Curriculum

Click the link to view:
<https://ilmupolitik.fisip.unand.ac.id/kurikulum/>

Agribusiness

The Agribusiness Study Program at Universitas Andalas focuses on the development of sustainable, community-based agribusiness systems that are adaptive to global challenges. The program equips students with competencies in entrepreneurship, supply chain management, agribusiness information technology, and natural resource management.

The primary objective of the program is to produce innovative and competitive agribusiness graduates who are capable of addressing strategic future issues such as food security, climate change, digital transformation, and farmers' welfare. The benefits of the program are reflected in graduates' contributions to strengthening local economies, developing modern agribusiness enterprises, and advancing inclusive, people-oriented agricultural development.

 **Academic Degree:**
Bachelor of Agriculture (S.P.)

 **Total Credits:**
144 credits

 **Normal Study Period:**
8 semesters (4 years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- “Excellent” national accreditation, reflecting recognized academic quality, sound governance, and nationally acknowledged graduates.
- An adaptive and relevant curriculum integrating entrepreneurship, digital agribusiness, food security, and sustainability.
- High-quality academic staff with extensive experience in research, community engagement, and national as well as international networks.
- Learning support facilities, including laboratories, agribusiness information systems, and collaborations with key stakeholders.

Fields of Study

The Agribusiness Study Program covers key areas including agricultural economics, agribusiness management and entrepreneurship, agribusiness marketing, institutional studies, agricultural policy, digital agribusiness, and sustainable agricultural development. These fields are designed to equip graduates with strong analytical skills, leadership capacity, and an agrosociopreneurial mindset to address challenges in food security, market dynamics, and the future transformation of agribusiness.

Career Prospects

Graduates of the Agribusiness Study Program have diverse career prospects as agribusiness entrepreneurs, agricultural supply chain managers and analysts, agribusiness consultants, agricultural policy analysts, as well as marketing and finance practitioners in the agribusiness sector. Graduates also have opportunities to pursue careers in government institutions, state-owned enterprises, financial institutions, agritech startups, non-governmental organizations (NGOs), and to continue their studies at the master's and doctoral levels.



For More Information:

Website:
<https://agribisnis.faperta.unand.ac.id/>

Brochure:
<https://tinyurl.com/Agribusiness-Brochure>



Course Structure

Semester 1

MWU60102 Civic Education (2)
PTN61102 Fundamentals of Agronomy (3)
PTN61104 Introduction to Agricultural Science (2)
PAB61101 Fundamentals of Management 2(2-0)
PAB61102 Fundamentals of Agricultural Extension and Communication (3)
PAB61103 Agribusiness Mathematics (3)
PAB61104 Introduction to Agroindustry (2)
PAB61105 Microeconomics (3)

Semester 2

MWU60101 Religion (2)
MWU60102 Pancasila Education (2)
AND60102 Agribusiness and Entrepreneurship (3)
PTN62101 Fundamentals of Soil Science (3)
PTN62102 Fundamentals of Plant Protection (3)
PTN62103 English for Agriculture (3)
PAB62104 Macroeconomics (3)

Semester 3

MWU60104 Indonesian Language (2)
PAB61106 Sociology Agriculture (2)
PAB61107 Agribusiness Accounting (3)
PAB61108 Statistic in Social Economics (3)
PAB61109 Managerial Economics (3)
PAB61110 Agribusiness Concepts and Ethics (2)
PAB61111 Operations and Agribusiness Supply Chain Management (3)
PAB61112 Farm Management (3)
PAB61113 Sustainable Agricultural Development (2)

Semester 4

PAB62110 Agribusiness Feasibility Analysis (3)
PAB62111 Fundamental of Econometrics (3)
PAB62105 Social Entrepreneurship (3)
PAB62106 Agribusiness Marketing (3)
PAB62107 Agribusiness Operations Research (3)
PAB62108 Planning System and Control of Agribusiness Mangement (3)
PAB62109 Integrated Farming Systems (3)
PAB62112 Regional Development (3)

Note: (x) denotes the number of credits.

Semester 5

PAB62 14 Agribusiness Strategic Management (2)
PAB62 15 International Trade of Agribusiness (2)
PAB62116 Agribusiness Financial Management (3)
PAB621 17 Socio-economic Research Methods (3)
PAB62118 Information and Communication Technology (ICT) and Multimedia (3)
PAB62119 Business Plan (3)
PAB62120 Praxis of Agribusiness Community (3)
PAB62121 Organization and Leadership (3)

Semester 6

PTN60101 Internship (2)
Electives Course

Semester 7

AND60101 Community Field Work (4)
Electives Course

Semester 8

PTN60102 Research Proposal Seminar (1)
PTN60103 Research Result Seminar (1)
PTN60104 Thesis (4)

Curriculum

Click the link to view:
<https://tinyurl.com/Agribusiness-Curriculum>

Agrotechnology

The Agrotechnology Study Program produces agriculture graduates who are faithful and devoted to God Almighty, uphold Pancasila values, and possess competencies in managing sustainable agricultural production processes and technologies in humid tropical regions, with specialization in bioenergy crops, supported by English proficiency and information technology skills.

Students are equipped with knowledge in soil management, seeds and plant breeding, plant nutrition, pest and disease control, biotechnology, and data-based precision agriculture to prepare graduates who are adaptive, innovative, and solution-oriented in addressing food–energy–environment challenges. The program contributes to environmentally friendly solutions, improved food security, and development of bioenergy commodities that support the economy. Agrotechnology is highly relevant to the future of agriculture.

 **Academic Degree:**
Bachelor of Agriculture (S.P.)

 **Total Credits:**
144 credits

 **Normal Study Period:**
8 Semesters (4 Years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- Excellent accreditation with strong reputation; graduates are quickly employed due to extensive alumni networks, industry partnerships, and government support.
- Student and lecturer achievements through innovative research, publications, and competition awards demonstrating proven quality.
- Complete facilities including modern laboratories, greenhouses, and humid tropical experimental fields for hands-on practice and applied research.
- OBE curriculum integrating biotechnology, precision agriculture, entrepreneurship, and internships to prepare students for future agricultural challenges.

Fields of Study

Humid tropical crop production technology, soil and nutrient management, crop cultivation, seed technology, plant breeding, plant physiology, pest–disease–weed control, biotechnology, precision data-based agriculture, environmental conservation, postharvest, entrepreneurship, and applied research.

Career Prospects

Graduates of Electrical Engineering at Universitas Andalas have broad career prospects as internationally oriented professional engineers, technical team leaders, researchers, academics, and entrepreneurs. Career fields include electric power systems, telecommunications, and control systems across sectors such as utilities, manufacturing industries, telecommunications, energy, transportation, consulting firms, research institutions, and universities.

For More Information:

Website:
<https://bdp.faperta.unand.ac.id>

Brochure:
<https://bdp.faperta.unand.ac.id>



Course Structure

Semester 1

MWU60104 Indonesian Language (2)
MWU60103 Civic Education (2)
PTN61102 Fundamentals of Agronomy (2)
PTN61103 Introduction to Ecology (2)
PTN61104 Introduction to Agricultural Science (2)
AGT61101 Biology (3)
AGT61102 Fundamentals of Plant Physiology (3)
AGT61103 Fundamentals of Developing Bioenergy-Producing Plants (2)

Semester 2

MWU60102 Pancasila Education (2)
AND60102 Agribusiness and Entrepreneurship (3)
PTN 62101 Fundamentals of Soil Science (3)
PTN 62102 Fundamentals of Plant Protection (3)
PTN 62103 English for Agriculture (3)
AGT 62101 Agroclimatology (3)
PTN 62102 Fundamentals of Genetics (3)

Semester 3

PTN61105 Statistics (3)
AGT61104 Plant Ecology (3)
AGT61105 Fundamentals of Plant Breeding (3)
AGT61107 Fundamentals of Seed Technology (3)

Semester 4

MWU60101 Religious Study (2)
PTN61106 Research Methodology (3)
AGT62103 Applied Physics (3)
AGT62104 Design of Agricultural Experiments (3)
AGT62105 Integrated Fieldwork Practice (3)
AGT62106 Main Horticultural Crop Production Technology (3)

Semester 5

PTN60102 Internship (2)
Elective Course

Semester 6

PTN60101 Research Proposal Seminar (1)
Elective Courses

Semester 7

AND60101 Community Service Program 4
Elective Courses

Semester 8

PTN60103 Research Result Seminar (1)
PTN60104 Thesis (4)

Note: (x) denotes the number of credits.

Curriculum

Click the link to view:
<https://shorturl.at/Ai1Ba>

Plant Protection

The Undergraduate Plant Protection Study Program focuses on the development of science and technology in crop protection to support sustainable food security. It aims to produce competent, adaptive, and ASEAN-competitive graduates in pest and plant disease management based on biological resources, modern technology, and environmentally friendly principles.

The program prepares professional human resources capable of addressing future agricultural challenges, including climate change, food security, and sustainable agriculture through innovative, applied, and MBKM-based approaches.

 **Academic Degree:**
Bachelor of Agriculture (S.P.)

 **Normal Study Period:**
8 Semesters (4 Years)

 **Total Credits:**
144 credits

 **Campus Location:**
Limau Manis, Padang

Strengths

- OBE and MBKM-based curriculum adaptive to industry, research, and future food security challenges.
- Competent lecturers active in research, members of APSITA, with national and international experience.
- Complete supporting laboratories for pest science, plant disease, and protection biotechnology.
- BAN-PT accredited (B) with broad collaboration networks across government, industry, and universities.

Fields of Study

Entomology (insect pests) and Phytopathology (plant diseases).

Career Prospects

Agricultural extension officers, researchers, plant protection practitioners and managers, plant quarantine analysts, government officers, agricultural consultants, agribusiness entrepreneurs, and technical staff in plantation companies, pesticide industries, and national/international research institutions.



For More Information:

Website:
<https://proteksitanaman.faperta.unand.ac.id/>

Brochure:
<https://tinyurl.com/PlantProtection-Brochure>



Course Structure

Semester 1

MWU60103 Civics (2)
MWU60104 Indonesian Language (2)
PTN61101 Biology (3)
PTN61102 Fundamentals of Agronomy (3)
PTN61103 Introduction to Ecology (2)
PTN61104 Introduction to Agricultural Science (2)
KIM61105 Chemistry (3)
PPT61101 Agricultural Microbiology (3)
PAB61102 Fundamentals of Agricultural Extension and Communication (3)

Semester 2

MWU60101 Religious Education (2)
MWU60102 Pancasila Education (2)
PTN62101 Fundamentals of Soil Science (3)
PTN62102 Fundamentals of Plant Protection (3)
PTN62103 Introduction to Plant Protection Biotechnology (3)
PPT62101 Introduction to Plant Virology (3)
AGT62101 Fundamentals of Plant Physiology (3)
AGT62102 Fundamentals of Genetics (3)

Semester 3

PTN61105 Statistics (3)
PPT61102 Fundamentals of Agricultural Extension and Communication (3)
PPT61103 Plant Bacteriology (3)
PPT61104 General Entomology (3)
PPT61105 Plant Pest Science (2)
PPT61106 Plant Disease Science (3)
PPT61107 Introduction to Plant Mycology (3)
PPT61108 Introduction to Plant Nematology (3)

Semester 4

AND60102 Entrepreneurship (3)
PTN60101 Experimental Design (2)
PTN62105 English for Agriculture 1 (3)
PPT62102 Research Methodology (3)
PPT62103 Agroclimatology (2)
PPT62104 Plant Clinic (3)
PPT62105 Integrated Pest Management (3)
PPT62106 Biological Control and Habitat Management (3)
PPT62107 Entrepreneurship (3)

Note: (x) denotes the number of credits.

Semester 5

PTN 61106 Internship (3)
Elective Courses

Semester 6

AND60101 Community Service Programme (KKN) (4)
Elective Courses

Semester 7

PTN60103 Research Proposal Seminar (1)

Semester 8

PTN60102 Research Results Seminar (1)
PTN60104 Thesis (4)

Curriculum

Click the link to view:
<https://tinyurl.com/PlantProtection-Curriculum>

Electrical Engineering

The Undergraduate Electrical Engineering Study Program focuses on developing excellence in electrical engineering that is adaptive and globally competitive. It aims to produce internationally oriented professional graduates who can collaborate, lead teams, communicate effectively, and innovate through research and entrepreneurship.

Supported by quality education, research, and community service, graduates are prepared to meet future needs in energy technology, intelligent systems, automation, and industrial digitalization for sustainable development.

 **Academic Degree:**
Bachelor of Engineering (S.T.)

 **Total Credits:**
146 credits

 **Normal Study Period:**
8 Semesters (4 Years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- Excellent accreditation from LAM Teknik (2025–2030) and international IABEE accreditation (2021–2026).
- Implements Outcome-Based Education (OBE).
- Supported by 10 laboratories.
- Strong academic staff: 27 lecturers including 16 PhDs and 5 full professors, creating a solid academic environment.

Fields of Study

Electric Power Systems, Telecommunications, and Control Systems (automation, robotics, optimization, sensors, IoT).

Career Prospects

Internationally oriented professional engineers, technical team leaders, researchers, academics, and entrepreneurs in electric power systems, telecommunications, and control systems across utilities, manufacturing, telecom, energy, transportation, consulting firms, research institutions, and universities.

For More Information:

Website:
<https://elektro.ft.unand.ac.id/>

Brochure:
<https://tinyurl.com/Electrical-Brochure>



Course Structure

Semester 1

MWU60101 Religion (2)
TEE62108 Mechanics Physics (3)
TEE61143 Thermal Physics and Optics (3)
TEE61144 Single Variable Calculus (3)
TEE61104 Programming I (2)
TEE61145 Mechanics Physics Lab. Work (1)
TEE61146 Probability and Statistics (3)
TEE61106 Vectors and Matrices (3)

Semester 2

MWU60102 Pancasila (2)
TEE61101 Electricity and Magnetism Physics (4)
TEE62157 Multivariable Calculus (3)
TEE62112 Programming II (2)
TEE62158 Electricity and Magnetism Physics Lab. Work (1)
TEE62159 Programming Lab. Work (1)
TEE61105 Electrical Circuits 1 (3)
TEE62128 Digital Systems (3)

Semester 3

TEK60102 Engineering Economics (2)
TEE62108 Electronics (3)
TEE61147 Instrumentation and Measurement (2)
TEE61119 Electromagnetic Fields (3)
TEE61148 Differential Equations (3)
TEE61149 Measurement and Electric Circuits Lab. Work (1)
TEE62113 Electric Circuits II (3)
TEE61150 Complex Variables (3)

Semester 4

MWU60104 Indonesian Language (2)
TEE62160 Fundamentals of Control Systems (3)
TEE62161 Energy Conversion (2)
TEE62162 Electrical Engineering Materials (2)
TEE62124 Numerical Methods (3)
TEE62127 Signals and Systems (3)
TEE61120 Communication Systems (3)
TEE62163 Power Systems and High Voltage Engineering (2)
TEE62164 Electronics Lab. Work (1)

Note: (x) denotes the number of credits.

Semester 5

TEK60101 English (2)
MWU60103 Citizenship (2)
TEE61151 Research Methodology and Design (2)
TEE61152 Data Communications and Networking (3)
TEE61138 Digital Signal Processing (3)
TEE6xxxx Compulsory Concentration Courses (8)

Semester 6

TEE62165 Electrical Engineering Design 1 (2)
TEE61133 Microprocessors and Microcontrollers (3)
TEE62166 Basic Electrical Engineering Lab. Work (2)
TEE62167 IoT Systems (2)
TEE6xxxx Compulsory Concentration Courses (10)
TEE6xxxx Elective Course (2)

Semester 7

MWU60103 Entrepreneurship (3)
AND60101 Community Service Program (KKN) (4)
TEE61157 Electrical Engineering Design 2 (3)
TEK60102 Professional Ethics (2)
TEE61158 Data Science and Cloud Computing (2)
TEE62125 Introduction to Professional English (1)
TEE61159 Renewable Energy Generation (2)
TEE61160 Digital Systems and Microprocessor Lab. Work (1)
TEE6xxxx Entrepreneurship (2)

Semester 8

TEE60143 Industrial Internship (2)
TEE60197 Final Project (4)

Curriculum

Click the link to view:

<https://elektro.ft.unand.ac.id/page/636/kurikulum>

Industrial Engineering

-  **Academic Degree:**
Bachelor of Engineering (S.T.)
-  **Normal Study Period:**
8 Semesters (4 Years)
-  **Total Credits:**
146 credits
-  **Campus Location:**
Limau Manis, Padang

The Undergraduate Industrial Engineering Study Program at Universitas Andalas aims to become an internationally reputable program. It conducts undergraduate education to produce high-quality, professional graduates who are competitive in the global market, carries out internationally recognized applied research, and contributes to national competitiveness through impactful industrial engineering innovations.

Strengths

- Excellent accreditation from LAM Teknik and international IABEE accreditation (since March 2025).
- Six specialized laboratories: Work Systems & Ergonomics, Production Systems, Industrial Systems Optimization, Information & Decision Systems, Facility Layout & Plant Systems, and Business & Management.
- 31 lecturers including 5 full professors; majority hold doctoral degrees.
- Uses OBE-based curriculum (2021–2026).

Fields of Study

Based on the Industrial Engineering Body of Knowledge (IISE), including work design and measurement, operations research, engineering economy, facilities planning and energy management, quality and reliability engineering, ergonomics and human factors, operations management, supply chain management, engineering management, safety engineering, information engineering, manufacturing engineering, and product design and development.

Career Prospects

Lecturers, researchers, consultants, factory managers, banking and IT professionals, transportation specialists, and entrepreneurs.



For More Information:

Website:
<https://industri.ft.unand.ac.id/new/>

Brochure:
<https://tinyurl.com/Industrial-Brochure>



Course Structure

Semester 1

MWU60101 Religion (2)
MWU60104 Bahasa Indonesia (2)
TIN61101 Calculus I (4)
TIN61102 Basic Physics I (4/P)
TIN61103 Basic Chemistry (3)
TIN61104 Introduction to Industrial Engineering (2)
TIN61141 Computer Programming (3/P)

Semester 2

MWU60102 Pancasila (2)
MWU60103 Citizenship (2)
TEK60101 English (2)
TIN62107 Calculus II (4)
TIN62108 Basic Physics II (4/P)
TIN62110 Engineering Mechanics (2)
TIN62142 Engineering Drawing (2/T)
TIN62143 Industrial Ecology (2)

Semester 3

TIN61111 Matrices and Vectors (3)
TIN61112 Engineering Materials (2)
TIN61113 Manufacturing Processes (3/P)
TIN61114 Industrial Statistics I (3/T)
TIN61116 Industrial Enterprise Organization and Management (3)
TIN61117 Introduction to Energy (2)
TIN61144 Work System Design and Measurement (2)
TIN61145 Industrial Electronics and Automation (2)

Semester 4

TIN62118 Multivariate Calculus (3)
TIN62120 Operations Research I (3/T)
TIN62121 Industrial Statistics II (3/T)
TIN62122 Cost Analysis and Estimation (2)
TIN62123 Production Planning and Control (3)
TIN60146 Smart Manufacturing (2)
TIN62147 Ergonomics (2)
TIN62148 Data Science and Analytics (3)

Semester 5

TEK60103 Engineering Economics (2)
TIN61125 Operations Research II (3/T)
TIN61127 Information Systems Design and Analysis (3/P)
TIN61128 Industrial Engineering Design (2)
TIN61129 Quality Control and Assurance (3)
TIN61130 System Modeling (2)
AND60102 Entrepreneurship (3)
TEK60102 Professional Ethics (2)

Semester 6

TIN62131 Facilities Layout Design (3/P)
TIN62149 Occupational Safety and Health (2)
TIN62133 System Simulation (3/T)
TIN60134 Research Methodology (2)
TIN62150 Product Design and Development (2/T)
TIN62151 Logistics and Supply Chain Systems (3)
AND60101 Community Service and Development (4)
TIN60137 Industrial Training (2)

Semester 7

TIN60152 Enterprise Analysis and Design (2)
TIN602xx Elective Course (3)
TIN602xx Elective Course (3)
TIN602xx Elective Course (3)
TIN602xx Elective Course (3)
TIN60189 Senior Design Project (6)

Semester 8

TIN60190 Final Project (4)

Curriculum

Click the link to view:
<https://industri.ft.unand.ac.id/new/academic-program/undergraduate-program-s1/kurikulum>

Note: (x) denotes the number of credits.

Mechanical Engineering

Academic Degree:
Bachelor of Engineering (S.T.)

Normal Study Period:
8 Semesters (4 Years)

Total Credits:
145 credits

Campus Location:
Limau Manis, Padang

The Undergraduate Mechanical Engineering Study Program at Universitas Andalas produces graduates who are competent in the analysis, design, manufacturing, and maintenance of mechanical systems, with an orientation toward innovation, sustainability, and readiness to meet future global industrial needs. The learning focus includes energy technology, manufacturing, materials, and mechanical systems that are highly required by industry and by the development of national and international science and technology.

Strengths

- Holds "Excellent" accreditation and international certification by ABET, helping graduates gain recognition and acceptance in both national and international industries.
- Curriculum based on Outcome-Based Education and industry demands, enabling graduates to be quickly and easily absorbed into the workforce.
- Lecturers are graduates of leading national and international universities, internationally qualified, and active in research and national/international collaborations.
- Students achieve strong performance in various national and international competitions.

Fields of Study

Mechanical Engineering covers basic natural sciences, fundamental mechanical engineering sciences, mechanical design engineering, and other supporting knowledge areas to develop professional competence and strong employability. The main fields developed include mechanical system design, fluid systems, thermal and energy conversion, materials engineering, and manufacturing engineering.

Career Prospects

Mechanical Engineering graduates have wide career opportunities and are employed in roles such as Mechanical Engineers (engineering design and research & development), Manufacturing and Production engineers, Maintenance and Energy Specialists, Technology Entrepreneurs and Engineering Consultants, as well as Researchers or continuing to Master's/Doctoral studies. Employment sectors include automotive industries, natural resource processing industries, food and pharmaceutical industries, petrochemical and cement industries, oil and gas, energy, manufacturing, aerospace and marine industries, construction, and other technology sectors.



For More Information:

Website:
<https://mesin.ft.unand.ac.id/index.php>

Brochure:
<https://tinyurl.com/Mecanical-Brochure>



Course Structure

Semester 1

MWU 60104 Bahasa Indonesia (2)
TMS 61101 Basic Natural Sciences (2)
TMS 61102 Calculus 1 (3)
TMS 61103 Physics 1 (3)
TMS 61104 Basic Chemistry (3)
TMS 61105 Introduction to Engineering (2)
TMS 61106 Computer and Programming (2)
TMS 61107 Computer and Programming Lab (1)
MWU 60101 Religion (2)

Semester 2

MWU 60102 Pancasila (2)
TEK 60101 Basic English (2)
MWU 60103 Civic Education (2)
TMS 62108 Calculus 2 (3)
TMS 62109 Physics 2 (3)
TMS 62110 Mechanical Drawing and CAD (3)
TMS 62111 Mechanical Drawing and CAD Lab (1)
TEK 60102 Professional Ethics (2)
TEK 60103 Engineering Economy (2)

Semester 3

TMS 61112 Statics (3)
TMS 61113 Engineering materials (2)
TMS 61114 Manufacturing Engineering 1 (2)
TMS 61115 Thermodynamics 1 (2)
TMS 61116 Electrical Machines (2)
TMS 61117 Engineering Mathematics 1 (4)
TMS 61118 Introduction to Biology (2)
TMS 61119 Engineering Materials Lab (1)
TMS 61120 Manufacturing Engineering 1 Lab (1)

Semester 4

TMS 62121 Mechanics Strength of Materials (3)
TMS 62122 Physical Metallurgy (2)
TMS 62123 Manufacturing Engineering 2 (2)
TMS 62124 Thermodynamics 2 (2)
TMS 62125 Dynamics of Particles (2)
TMS 62126 Engineering Mathematics 2 (4)
TMS 62127 Metrology and Quality Control (2)
TMS 62128 Physical Metallurgy Lab (1)
TMS 62129 Manufacturing Engineering 2 Lab (1)
TMS 62130 Metrology and Quality Control Lab (1)

Semester 5

TMS 61131 Numerical Methods (3)
TMS 61132 Fluid Mechanics (3)
TMS 61133 Mechanical Vibrations (2)
TMS 61134 Kinematics and Dynamics of Machinery (4)
TMS 61135 Machine Elements 1 (3)
TMS 61136 Material and Process Selection (2)
TMS 61137 Mechatronics (2)
TMS 61138 Mechatronics Lab (1)

Semester 6

TMS 62139 Heat Transfer (3)
TMS 62140 Statistics and Design of Experiments (3)
TMS 62141 Engineering Design (2)
TMS 62142 Control Engineering (3)
TMS 62143 Machine Elements 2 (2)
TMS 62144 Thermal System Design (3)
TMS 62145 Manufacturing Systems and Management (2)

Semester 7

AND 60101 Student Community Service (4)
TMS 61146 Design Project (2)
TMS 61147 Engineering Measurements (2)
TMS 61148 Basic Phenomena in Mechanical Engineering (1)
TMS 61149 Machine Performance (1)
TMS 61150 Undergraduate Thesis Proposal Seminar (2)
AND 60102 Entrepreneurship (3)
TMS 612xx Elective 1 (1)
TMS 612xx Elective 2 (1)

Semester 8

TMS 60151 Internship / Industrial Placement (2)
TMS 60152 Undergraduate Thesis (3)
TMS 60153 Final Examination / Thesis Defense (1)
TMS 622xx Elective 3 (2)
TMS 622xx Elective 4 (2)
TMS 622xx Elective 5 (2)

Curriculum

Click the link to view:
<https://mesin.ft.unand.ac.id/index.php/pendidikan/program-:pendidikan/program-sarjana/kurikulum>

Note: (x) denotes the number of credits.

Civil Engineering

The Undergraduate Civil Engineering Study Program at Universitas Andalas provides civil engineering education oriented toward mastery of knowledge, professional skills, and job readiness. This program aims to produce graduates who are capable of designing, constructing, and managing infrastructure in a safe, sustainable, and future-adaptive manner.

Students are equipped with technical competencies, practical experience, professional ethics, disaster-awareness insight, and the ability to keep up with technological developments and digital transformation in the construction industry. Graduates are highly competitive, have broad career opportunities, and are able to contribute meaningfully to national and global development.

 **Academic Degree:**
Bachelor of Engineering (S.T.)

 **Total Credits:**
144 credits

 **Normal Study Period:**
8 Semesters (4 Years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- More than 80 percent of graduates obtain employment within less than six months after graduation.
- “Excellent” accreditation status confirms educational quality and graduate competitiveness at the national level.
- Adaptive OBE and MBKM curriculum aligned with construction industry needs and disaster risk reduction.
- Supported by professors and doctoral-level lecturers, as well as complete and modern laboratory facilities.

Fields of Study

The Civil Engineering undergraduate program equips students to design and build infrastructure such as roads, bridges, buildings, water systems, and more. The curriculum is structured progressively from basic sciences and core civil engineering sciences to specialized competencies in structures, geotechnics, transportation, water resources, and construction management. Learning emphasizes a balance of theory, laboratory work, design projects, fieldwork, disaster integration, professionalism, and job readiness through projects, internships, and final projects.

Career Prospects

Civil Engineering alumni of Universitas Andalas are highly competitive with short job waiting times. The majority are employed within six months after graduation, indicating relevant competencies, strong job readiness, and high trust from industry, government, and the national construction sector. Graduates work in construction fields as contractors, planning and supervision consultants, and project management professionals, as well as in government institutions, state-owned enterprises, engineering entrepreneurship, or continue to master’s level studies.

For More Information:

Website:
<https://sipil.ft.unand.ac.id/>

Brochure:
<https://sipil.ft.unand.ac.id/>



Course Structure

Semester 1

MWU 60101 Religion (2)
MWU 60104 Indonesian Language (2)
TSI 61146 Mathematics I (4)
TSI 61147 Physics I (3)
TSI 61148 Chemistry (3)
TSI 61101 Introduction to Disaster Science (2)
TSI 61102 Introduction to Geology (2)
TSI 61103 Engineering Drawing (2)
TSI 62107 Surveying and Mapping (2)

Semester 2

MWU 60102 Pancasila (2)
MWU 60103 Citizenship (2)
TEK 60101 English (2)
TSI 62149 Mathematics II (4)
TSI 62150 Physics II (3)
TSI 62105 Computer Programming (2)
TSI 62106 Engineering Mechanics I (3)
TSI 62107 Surveying and Mapping II (3)

Semester 3

TSI 61108 Differential Equations (3)
TSI 61109 Numerical Methods (2)
TSI 61110 Statistics and Probability (3)
TSI 61111 Engineering Mechanics II (3)
TSI 61112 Construction Materials Technology (2)
TSI 61113 Fluid Mechanics (2)
TSI 61114 Hydrology Engineering (2)
TSI 61115 Geometric Road Design (2)

Semester 4

AND 60102 Civil Engineering Entrepreneurship (3)
TSI 61124 Engineering Mechanics IV (2)
TSI 61125 Reinforced Concrete Structure I (2)
TSI 61126 Steel Structure I (2)
TSI 61127 Soil Mechanics II (2)
TSI 61128 Foundation Engineering I (2)
TSI 61129 Irrigation and Water Structures I (2)
TSI 61130 Construction Engineering (2)

Semester 5

MNJ80101 Leadership & Organizational Behaviour (3)
MNJ80102 Economics for Managers (3)
MNJ80103 Corporate Finance (3)
MNJ80104 Marketing for Southeast Asian (3)
MNJ80105 Managing Information Technology (2)
MNJ80109 Research Method for Management (2)
TSI 61131 Project Planning and Cost Estimation (2)

Semester 6

TSI 62132 Structural Dynamics (2)
TSI 62133 Earthquake Engineering (2)
TSI 62134 Reinforced Concrete Structure II (2)
TSI 62135 Steel Structure II (2)
TSI 62136 Foundation Engineering II (2)
TSI 62137 Irrigation and Water Structures II (2)
TSI 62138 Drainage Engineering (2)
TSI 62139 Procurement and Construction Contracts (2)
TSI 62146 Building Information Modelling (2)

Semester 7

AND 60101 Community Service Program (KKN) (4)
TSI 60141 Internship (2)
AAAXXXX Elective Course I (2)
AAAXXXX Elective Course II (2)
AAAXXXX Elective Course III (2)
AAAXXXX Elective Course IV (2)
AAAXXXX Elective Course V (2)
AAAXXXX Elective Course VI (2)
AAAXXXX Elective Course VII (2)

Semester 8

TEK 60103 Engineering Economics (2)
TSI 60147 Civil Infrastructure Design (4)
TSI 60150 Final Project (4)

Curriculum

Click the link to view:
<https://sipil.ft.unand.ac.id/index.php/prodi/prodi-s1/kurikulum>

Note: (x) denotes the number of credits.

Information System

The Information Systems Study Program at Universitas Andalas aims to produce graduates who are capable of designing, developing, and managing information systems aligned with organizational needs and technological developments.

The discipline of Information Systems is developed with an emphasis on the integration of technology, business processes, and data-driven decision making. This program is highly relevant to future needs, especially in facing digital transformation, process automation, and the use of data to support innovation and organizational competitiveness across various sectors.

Academic Degree:
Bachelor of Science in Information System (S.Kom.)
Total Credits:
146 credits

Normal Study Period:
8 Semesters (4 Years)
Campus Location:
Limau Manis, Padang

Strengths

- Outcome-Based Education curriculum aligned with national standards, MBKM policy, and international accreditation standards (IABEE).
- Lecturers with doctoral qualifications and industry practitioners, active in research, community service, and Information Systems knowledge development.
- Structured capstone project courses to integrate competencies in analysis, design, and information systems development.
- Adequate learning facilities and standardized portfolio-based assessment support for continuous quality assurance.

Fields of Study

The Information Systems Study Program covers information systems analysis and design, enterprise systems, business process management, business intelligence and data analytics, and human-computer interaction. These areas support digital transformation, data and artificial intelligence utilization, and the development of adaptive information system solutions relevant to future industry needs.

Career Prospects

Graduates of the Information Systems Study Program have career opportunities as systems analysts, information systems developers, IT consultants, data and business intelligence analysts, and information systems project managers. Graduates may also pursue careers in industry, government, digital startups, or become technopreneurs supporting organizational digital transformation.



For More Information:

Website:
<https://si.fti.unand.ac.id/>

Brochure:
<https://bit.ly/BrochureDSI>



Course Structure

Semester 1

MWU60102 Pancasila (2)
MWU60104 Indonesian Language (2)
JSI 61101 Introduction to Business and Management (3)
JSI 61103 Fundamentals of Programming (3)
JSI 61104 Linear Algebra (2)
JSI 61105 Discrete Mathematics (2)
JSI 61106 Fundamentals of Information Systems (2)
JSI 62127 Business and Technical Communication (2)

Semester 2

MWU60101 Religious Education (2)
MWU60103 Citizenship Education (2)
JSI 62107 Human-Computer Interaction (3)
JSI 62108 Data Structures and Algorithms (3)
JSI 62109 Information Technology Infrastructure (2)
JSI 62110 Probability and Statistics (2)
JSI 62111 Calculus (2)
JSI 62112 English (2)

Semester 3

JSI 61113 Database (3)
JSI 61114 Geographic Information Systems (3)
JSI 61115 Business Processes (3)
JSI 61116 Object-Oriented Programming (3)
JSI 61117 Computer Networks and Data Communications (2)
JSI 61118 Operating Systems (2)
JSI 61119 Computers and Society (2)
AND61102 Entrepreneurship (3)

Semester 4

JSI 62120 Database Design (3)
JSI 62121 Data Analysis and Visualization (2)
JSI 62122 Data Mining (3)
JSI 62123 Information Security (2)
JSI 62124 Decision Support Systems (3)
JSI 62125 Web Programming (3)
JSI 62126 Software Engineering (2)
JSI 62145 Enterprise Resource Planning (3)

Note: (x) denotes the number of credits.

Semester 5

JSI 61128 e-Business (3)
JSI 61129 Data Acquisition (2)
JSI 61130 Information Systems Acquisition and Management Strategy (2)
JSI 61131 Mobile Technology Programming (3)
JSI 61132 Information Systems Analysis and Design (3)
JSI 61134 Information Systems Project Management (3)
JSI 61141 Enterprise Systems Design (2)

Semester 6

JSI 62135 Big Data (2)
JSI 62136 Business Intelligence (2)
JSI 62138 Machine Learning Applications (3)
JSI 62139 Cloud Computing (2)
JSI 62140 Information Systems Audit (2)
AND60101 Community Service Program (4)
JSI 61137 Information Systems Innovation (2)

Semester 7

JSI 61133 Information Systems Development Project (4)
JSI 61142 Internship / Practical Work (2)
JSI 61143 Research Methodology (2)

Semester 6

JSI 60150 Final Project (Undergraduate Thesis) 4

Curriculum

Click the link to view:
<https://bit.ly/KurikulumDSI2025>

Computer Engineering

Computer Engineering is a discipline that integrates knowledge and skills related to hardware and software to create innovative technological solutions. In this study program, students are equipped with the skills to design and develop systems that are highly relevant to the needs of modern industry and society. The learning focus includes the Internet of Things (IoT), computer networks and information security, intelligent systems, and digital system design (IC design).

Graduates of Computer Engineering have career opportunities as embedded systems engineers, hardware engineers, software developers, network engineers, intelligent systems developers, security specialists, and technical consultants. This study program is suitable for students who are interested in technology development at both hardware and software levels, as well as the implementation of real-world application systems relevant to industrial and societal needs.

 **Academic Degree:**
Bachelor of Engineering (S.T.)

 **Total Credits:**
144 credits

 **Normal Study Period:**
8 Semesters (4 Years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- All lecturers hold industry certifications, and around 50% are actively qualified with doctoral (PhD) degrees from well-known overseas universities.
- Outcome-Based Education (OBE) curriculum has been implemented since 2021, with about 40% of courses using Project-Based Learning (PjBL) and Case-Based Method (CBM).
- Accredited with "Excellent" status by LAM Infokom and has undergone a site assessment for international accreditation (IABEE General Accreditation).
- Equipped with modern and comprehensive laboratories supporting both software and hardware learning related to IoT, intelligent systems, networking and information security, and IC design.

Fields of Study

1. Wired and Wireless Networking and Information Security
2. Internet of Things (IoT)
3. Intelligent Systems
4. Integrated Circuit (IC) Design (Chip Design)

Career Prospects

Graduates of the Computer Engineering Study Program have broad career prospects in system- and device-based technology fields, including roles as embedded systems engineers, hardware engineers, software developers, network engineers, intelligent systems developers, security specialists, and technical consultants. With integrated hardware–software competencies, graduates can also pursue careers in technology industries, manufacturing, telecommunications, digital startups, research institutions, or become technology-based entrepreneurs.



For More Information:

Website:
<https://ce.fti.unand.ac.id/>

Brochure:
<https://tinyurl.com/CE-Brochure>



Course Structure

Semester 1

SCE6119 Physics I (2)
SCE6116 Physics I Laboratory (1)
SCE61102 Linear Algebra (4)
SCE61103 Mathematics I (3)
SCE61104 Chemistry I (2)
SCE61113 Probability and Statistics I (2)
CCE61101 Introduction to Computer Engineering (2)
MWU60101 Religion (2)
MWU60104 Indonesian Language (2)

Semester 2

MWU60102 Pancasila (2)
MWU60103 Citizenship Education (2)
SCE62119 Physics II (2)
SCE62117 Physics II Laboratory (1)
SCE62107 Discrete Mathematics (3)
SCE62108 Mathematics II (3)
SCE62114 Probability and Statistics II (2)
CCE62102 Algorithms and Problem Solving I (2)
CCE62103 Algorithms and Problem Solving Laboratory (1)
SCE62115 Chemistry II (2)

Semester 3

SCE61111 Physics III (2)
SCE61112 Mathematics III (3)
CCE61104 Introduction to Circuit Analysis (2)
CCE61105 Introduction to Circuit Analysis Laboratory (1)
CCE61106 Computer Networks I (3)
CCE61107 Computer Networks Laboratory (1)
CCE61108 Digital Logic Circuits (3)
CCE61109 Digital Logic Laboratory (1)
CCE62136 English for Communication (3)

Semester 4

CCE62110 Computer Organization and Architecture I (3)
CCE62111 Computer Organization and Architecture I Laboratory (1)
CCE62112 Data Structures (2)
CCE62113 Electrical Circuits (2)
CCE62114 Electrical Circuits Laboratory (1)
CCE62115 Operating Systems (2)
CCE62116 Embedded Systems I (2)
CCE62117 Information Security I (2)
CCE62118 Database Systems (2)
CCE62119 Digital System Design I (2)

Note: (x) denotes the number of credits.

Semester 5

CCE61120 Signals and Systems (2)
CCE61121 Embedded Systems II (2)
CCE61122 Embedded Systems Laboratory (1)
CCE61123 Computer Organization and Architecture II (3)
CCE61124 Computer Organization and Architecture II Laboratory (1)
CCE61125 Software Engineering (3)
CCE61126 Electronics (2)
CCE61128 Information Security II (2)
AND60102 Entrepreneurship (3)

Semester 6

CCE62129 Embedded Systems III (2)
CCE62130 Digital Signal Processing (2)
CCE62131 Computer Systems Engineering (2)
CCE62132 Real-Time Systems (2)
CCE62133 Algorithms and Problem Solving II (2)
CCE62134 Digital Signal Processing Laboratory 1
CCE62135 Digital System Design II (2)
CCE61127 Human–Computer Interaction (2)
Elective Course (Cross Enrollment I) (2)

Semester 7

CCE61137 Current Technology Strategies (2)
CCE61138 Field Work Practice (Internship) (2)
CCE61139 Proposal Seminar (2)
AND60101 Community Service Program (4)
Elective Course
CCE61137 Current Technology Strategies (2)
CCE61138 Field Work Practice (Internship) (2)
CCE61139 Proposal Seminar (2)

Semester 8

CCE62140 Project Management (2)
CCE62141 Professional Ethics (2)
CCE62142 Final Project (4)
Elective Course

Curriculum

Click the link to view:
<https://tinyurl.com/CE-Curriculum>

Agricultural and Biosystem Engineering

The Department of Agricultural and Biosystems Engineering, Faculty of Agricultural Technology, Universitas Andalas, has existed since 1957. At that time it was called Agricultural Mechanization and has undergone several name changes until adopting its current name. The study programs under this department include the Bachelor Program in Agricultural and Biosystems Engineering and the Master Program in Agricultural and Biosystems Engineering.

The TPB Department of Fateta Unand has three main areas of study: Agricultural Machinery Management, Postharvest Engineering, and Soil and Water Engineering. Currently, the undergraduate program holds an A accreditation, and the master's program holds a B accreditation.

 **Academic Degree:**
Bachelor of Engineering (S.T.)

 **Total Credits:**
144 credits

 **Normal Study Period:**
8 Semesters (4 Years)

 **Campus Location:**
Limau Manis, Padang

Strengths

- Future-adaptive curriculum: integrated smart agriculture, mechanization, and postharvest technology based on industry needs.
- Competent academic staff: multidisciplinary expertise, active in research, publications, and community service.
- Applied laboratory facilities: supporting practicum, applied research, and development of modern agricultural technology.
- Relevant to national needs: supporting food security, sustainable agriculture, and agroindustry strengthening.

Fields of Study

The Agricultural and Biosystems Engineering Study Program focuses on the design and management of technology-based agricultural systems for efficient, modern, and sustainable food production. It integrates Land and Water Resources Engineering, Agricultural Machinery Management, and Postharvest Engineering to address agricultural challenges from cultivation to processing. Graduates are equipped to support smart agriculture, sustainable resource management, and food security through innovative and systems-based engineering solutions.

Career Prospects

Graduates of Agricultural and Biosystems Engineering have broad career opportunities in modern agriculture and agroindustry, including roles as agricultural engineers, mechanization and automation specialists, land and water management planners, and postharvest technology experts. Graduates may also work as researchers, consultants, agricultural technology entrepreneurs, or professionals in government institutions, agribusiness companies, and agricultural product processing industries.



For More Information:

Website:
<https://tpb.fateta.unand.ac.id>

Brochure:
<https://tinyurl.com/TPB-Brochure>



Course Structure

Semester 1

MWU60101 Religion (2)
MWU60102 Pancasila (2)
MWU60104 Indonesian Language (2)
FTP61101 Introduction to Technology Agriculture (2)
TPB61101 English Language (2)
TPB61102 Calculus I (3)
TPB61103 Physics I (3)
TPB61104 Chemistry I (3)
TPB61105 Agricultural and Biosystems Science (3)

Semester 2

MWU60103 Civics (2)
TPB62101 Biology (3)
TPB62102 Calculus II (3)
TPB62103 Physics II (3)
TPB62104 Chemistry II (3)
TPB62105 Engineering Materials Knowledge (2)
TPB62106 Agricultural and Biosystems Environment (2)
TPB62107 Computer Programming (3)
TPB62108 Engineering Professional Ethics (2)

Semester 3

TPB61106 Engineering Economics (3)
TPB61107 Heat Transfer (3)
TPB61108 Engineering Mathematics (3)
TPB61109 Agricultural Power Resources (3)
TPB61110 Engineering Drawing (3)
TPB61111 System Analysis (3)
TPB61112 Measurement and Instrumentation (3)
TPB61113 Engineering Mechanics (3)

Semester 4

TPB62109 Thermodynamics (3)
TPB62110 Engineering Design (3)
TPB62111 Postharvest Engineering (3)
TPB62112 Statistics I (3)
TPB62113 Geodetic Science (3)
TPB62114 Workshop Practice (3)
TPB62115 Hydrology (3)
TPB62116 Fluid Mechanics (3)

Semester 5

AND60102 Entrepreneurship (3)
TPB61114 Research Methodology (3)
TPB61115 Statistics II (3)
TPB61116 Agricultural Tools and Machinery (3)
TPB61117 Irrigation and Drainage (3)
TPB61118 Agricultural and Food Products Processing Engineering (3)
TPB61119 Energy and Electrification (3)
TPB61220 Properties of Agricultural Products (3)
TPB61221 Control Systems (3)

Semester 6

TPB60101 Capstone Project (3)
Elective Courses

Semester 7

Elective Courses

Semester 8

AND60101 Community Service Program (4)
FTP60101 Field Practice (3)
FTP60102 Competency Exam and Research Proposal (1)
FTP60103 Research Products Seminar (1)
FTP60104 Undergraduate Thesis (4)

Note: (x) denotes the number of credits.

Curriculum

Click the link to view:

<https://tpb.fateta.unand.ac.id/kurikulum-program-studi-s1/>

Anthropology

Academic Degree:
Master of Anthropology (M.Soc)

Campus Location:
Limau Manis, Padang

Total Credits:
41 Credits

Normal Study Period:
4 Semester (2 years)

Master's Programme in Anthropology focuses on developing graduates with sharp analytical skills and innovative thinking in anthropology and development studies. The Outcome-Based Education (OBE)-based curriculum design is to be globally relevant, equipping students with practical competencies in multidisciplinary socio-cultural research oriented towards sustainability and humanity. Its future relevance lies in mastering qualitative data analysis technology and digital reference management to address the challenges of the times. Graduates prepare to become experts who can contribute to the formulation of public policies, conflict resolution, and the creative economy, while remaining grounded in the values of local wisdom and development.

Strengths

- Lecturers win nationally competitive grants for basic and applied research and participate in national seminars and international conferences.
- This study program has been accredited by BAN-PT since 2024 with a rating of Excellent, and is currently in the process of international accreditation by ACQUIN in 2026
- The availability of an Anthropology laboratory to support individual academic growth and student research, supported by Digital Infrastructure, digital libraries, and interactive classrooms
- Output-Based Curriculum (OBE) that aligns with the national qualifications framework (KKNI) and European standards (EQF).

Fields of Study

Master's Programme in Anthropology offers a comprehensive field of study designed to bridge classical anthropological theories with contemporary challenges. Narratively, this field of study focuses on an in-depth understanding of socio-cultural dynamics and development grounded in local wisdom and human values. With this multidisciplinary approach, the study program directs students to be able to design socio-cultural research that is relevant to the needs of the global and local job market.

Career Prospects

Graduates have broad and diverse career prospects that reflect the interdisciplinary and applied nature of anthropology. In the government sector, they have an excellent opportunity to play an active role in institutions that focus on cultural preservation and community development. In the non-governmental sector, graduates can pursue careers with international and national NGOs. In addition, the industrial and private sectors open up opportunities for them to become consultants in socio-cultural and development

Curriculum

Click the link to view:
<https://tinyurl.com/Anthropology-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
ISA 511	Philosophy of Social Sciences	3	ISA 513	Theories of Anthropology	3
ISA 512	Epistemology Anthropology	3	ISA 522	Ethnographic and Practices of Research Methods	3
ISA 514	Theory Development and Globalisation	3	ISA 532	Wisdom and Local Cultural Values	3
ISA 521	Anthropology Qualitative Research Methods	3	ISA 541	Ethno-Political (*)	3
ISA 531	Based Development of Local Culture	3	ISA 543	Agrarian Conflict and Power (*)	3
			ISA 641	Gender and Development (*)	3
			ISA 646	Ethnolinguistics (*)	3
Semester 3			Semester 4		
ISA 542	Religion and Social Development (*)	3	ISA 612	Research Seminar	1
ISA 642	Health, Nutrition and Social Policy (*)	3	ISA 613	Thesis	6
ISA 643	Bureaucracy and Local Government (*)	3			
ISA 644	Social and Cultural Development and Public Policy (*)	3			
ISA 645	Coastal Development and Society (*)	3			
ISA 611	Colloquium	1			

(*) Elective Course

Click the link below to view the entire course structure: <https://tinyurl.com/CS-AnthropologyS2>



For More Information:

Website:
<https://antropologi.fisip.unand.ac.id/>

Brochure:
<https://tinyurl.com/Anthropology-BrochureUA>



Political Science

Academic Degree:
Master of Political Science (M.IP)

Campus Location:
Limau Manis, Padang

Total Credits:
42 Credits

Normal Study Period:
4 Semester (2 years)

The Master of Political Science Programme at Universitas Andalas is designed to address future political challenges shaped by digital transformation, democratic change, and global uncertainty. The curriculum applies an Outcome-Based Education approach, strengthening competencies in public policy analysis, governance innovation, electoral management, and political data analysis. Integrating multidisciplinary perspectives, research-based learning, and digital technology, the programme equips students with strong analytical, leadership, and problem-solving skills. Supported by national and international academic networks, the programme prepares graduates to become adaptive policy analysts, researchers, and professionals capable of contributing to sustainable governance and democratic development in an increasingly complex global environment.

Strengths

- **International Quality Recognition:** Strong commitment to ACQUIN international accreditation, aligned with EQF, IQF, and global higher education standards.
- **Future-Oriented Curriculum:** Outcome-Based Education emphasizing digital governance, public policy innovation, electoral governance, and multidisciplinary political analysis.
- **Qualified Academic Staff:** Lecturers actively engaged in research, publications, community service, and international collaboration supporting research-based learning.
- **Comprehensive Learning Facilities:** Modern classrooms, political data analysis laboratory, digital learning platforms, multimedia studios, and strong academic support systems.

Fields of Study

The programme focuses on political theory, public policy and governance, electoral governance, and applied political studies. Core fields include democracy and social change, digital politics and AI-based governance, political corruption, electoral management and conflict resolution, political risk analysis, local political institutions, identity politics, and political research methodology, supported by interdisciplinary perspectives in law, economics, psychology, and information technology.

Career Prospects

Graduates of the Master of Political Science Programme have strong career prospects as policy analysts, government officials, election administrators, political consultants, researchers, academics, NGO officers, and development practitioners. Supported by competencies in public policy, governance innovation, electoral management, and digital politics, graduates are well prepared to work in government institutions, election bodies, research centres, civil society organisations, international agencies, and the private sector, both nationally and globally.

Curriculum

Click the link to view:
<https://tinyurl.com/S2Pol-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
MIP 1101	Democracy and Social Change	3	MIP 2313	AI-Based Government and Digital Governance	3
MIP 1102	Political Theory	3	MIP 1209	Electoral Ethics and Malpractice	3
MIP 1103	Public Policy Politics	3	MIP 1210	Social Capital and Local Political Institutions	3
MIP 1105	Political Science Research Design	3	MIP 1208	Governance and Public Policy	3
MIP 1206	Electoral Regulation, Organization, and Financial Management	3			
Semester 3			Semester 4		
ISP 611	Colloquium	1	ISP 611	Colloquium	1
ISP 612	Final Seminar	2	ISP 612	Final Seminar	2
ISP 613	Thesis	6	ISP 613	Thesis	6

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2PoliticalSciences>



For More Information:

Website:
<http://s2ilmupolitik.fisip.unand.ac.id/>

Brochure:
<http://s2ilmupolitik.fisip.unand.ac.id/>



Sociology

Academic Degree:
Master of Sociology (M.Sos)

Campus Location:
Limau Manis, Padang

Total Credits:
56 Credits

Normal Study Period:
4 semester (2 years)

The Body of Knowledge for the Master's Programme in Sociology comprises four areas of interest or concentration: conflict sociology, community empowerment, social welfare, and educational sociology. These four areas are the focus of study and learning, which are examined using sociological analysis tools and methods, namely agent-structure-agent relationship analysis employing quantitative, qualitative, and various participatory research methods.

Strengths

- Programme Vision
→ To produce distinguished and reputable Masters in the fields of community empowerment, conflict resolution, social welfare, and education based on local wisdom.
- Programme Objectives
→ To become leaders in social analysis and social engineering with strong character through lifelong learning in the development of sociological education.
→ Possessing international competitiveness in the competence of designing research and models for community empowerment, conflict resolution, social welfare, and education based on local wisdom.
- Accreditation: BAN-PT Year 2024 (Excellent)

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
ISS 542	Philosophy of Science and Research	2		Courses per Concentration	
ISS 543	Classical and Modern Sociological Theory	3			
ISS 532	Quantitative Sociological Research Methods	3			
ISS 545	Social Capital Theory	3			
Semester 3			Semester 4		
	Courses per Concentration		ISF 601	Seminar	1
			ISS 612	Research Results Seminar	2
			ISS 613	Thesis Examination	6

Fields of Study

- Concentration:
1. Conflict Studies and Conflict Regulation Concentration
 2. Community Empowerment Studies Concentration
 3. Social Welfare Studies Concentration
 4. Education Studies Concentration

Career Prospects

The Graduate Profile for the Master's Degree (S2) in Sociology is as follows:

1. A Master of Sociology who is able to distinguish between various perspectives and methods of sociology in research.
Profession: Academic, Researcher.
2. A Master of Sociology who is able to develop various models of community empowerment, conflict resolution, social welfare, and education.
Profession: Conflict mediator, bureaucrat, empowerment facilitator
3. A Master of Sociology who adheres to the principles of professionalism in research activities, community empowerment, conflict resolution, social welfare, and education.
Profession: Academic, researcher, conflict mediator, bureaucrat, empowerment facilitator

Curriculum

Click the link to view:
<https://sosiologi.fisip.unand.ac.id/en/>



For More Information:

Website:
<https://sosiologi.fisip.unand.ac.id/en/>

Brochure:
<https://sosiologi.fisip.unand.ac.id/en/>



Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Sociology>

Biology

Academic Degree:
Magister Sains (M.Si)

Campus Location:
Limau Manis, Padang

Total Credits:
42 Credits

Normal Study Period:
4 Semester (2 years)

The Master of Biology program at Andalas University (Unand) offers advanced training in molecular, ecological, and applied biological sciences. Its objectives are to develop research skills, critical thinking, and professional expertise for academia, industry, and conservation. Benefits include enhanced employability, capacity for innovation, and readiness to lead research projects or policy development. Aligned with future needs, the program addresses biodiversity conservation, biotechnology, food security, and environmental management, preparing graduates to tackle emerging challenges in health, sustainable development, and ecosystem resilience.

Strengths

- Here are concise strengths of the Master's Program (S2) in Biology at Universitas Andalas (UNAND) :
- International Accreditation: Achieved international recognition through ASIIN accreditation, reflecting global academic quality and standards.
- Established Research Focus: Strong emphasis on tropical biodiversity and conservation research with publication and intellectual property goals.
- Accredited Program: Historically accredited by Indonesia's BAN-PT, demonstrating sustained quality assurance.
- Advanced Curriculum: Research-oriented courses with core scientific and conservation topics aligned to regional needs.

Fields of Study

The Master's Program (S2) in Biology at Universitas Andalas focuses on studying and conserving tropical biodiversity, ecology, genetics, and bioprocesses through research-oriented learning. It emphasizes tropical biodiversity, ecosystem conservation, biosystematics, molecular biology, and environmental analysis to prepare graduates for research, conservation, consultancy, and biocuration roles.

Career Prospects

Graduates have strong career prospects as researchers, lecturers, conservation practitioners, environmental consultants, government officers, laboratory analysts, and science communicators. They may work in universities, research institutes, NGOs, government agencies, biodiversity conservation projects, environmental impact assessments, biotechnology industries, or continue doctoral studies at national and international institutions.

Curriculum

Click the link to view:
<https://tinyurl.com/S2Bio-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
BIO81101	Molecular Biology	2	BIO xxxx	MK I on Centralization	2
BIO81102	Ecosystem Ecology and Conservation	2	BIO xxxx	MK II on Centralization	2
BIO81103	Physiology	2	BIO82101	Research methodology	2
BIO81104	Biosystematics and Evolution	2	BIO xxxx	Elective courses 1	2
BIO81105	Tropical Biodiversity	2	BIO xxxx	Elective courses 2	2
BIO81106	Biostatistics	2	BIO xxxx	Elective courses 3	2
Semester 3			Semester 4		
BIO xxxx	Elective courses 4	2	BIO80102	Thesis	6
BIO81107	Writing International Scientific Articles	2	BIO80103	Results Seminar	1
BIO80101	Proposal Seminar	1			
BIO80105	International Seminar	3			
BIO80108	International Publications	3			

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Biology>.



For More Information:

Website:
<https://biologi.fmipa.unand.ac.id/>

Brochure:
<https://tinyurl.com/S2Bio-BrochureUA>



Agricultural Industrial Technology

Academic Degree:
Master of Agricultural
Technology (M.TP.)

Campus Location:
Limau Manis, Padang

Total Credits:
36 Credits

Normal Study Period:
4 semester (2 years)

The Master of Agricultural Industrial Technology Study Program is under the Faculty of Agricultural Technology, Andalas University, which focuses on Agro-Industrial Systems and Management Engineering, Agro-Industrial Processing Technology and Engineering, Agro-Industrial Environmental Technology to address global challenges such as resource efficiency, IT strengthening, Techno-entrepreneurship and the transition towards a circular economy as well as the development of local commodities and tropical crops.

This study program aims to produce master's graduates who have analytical, innovative, and adaptive abilities in designing, optimizing, and developing competitive, sustainable, and research-based agricultural industrial systems and technologies, in order to meet the needs of industry, public policy, and future technological development.

Strengths

- Over 80% of teaching staff hold doctoral degrees, specializing in agroindustrial process engineering, bioprocesses, systems management, and bioenergy.
- Strong research-based curriculum aligned with agroindustrial innovation and sustainability.
- Partnerships with government, research institutes, and agroindustry firms enable internships, applied research, and high employability.
- Focus on advanced technology, management, and practical skills for future agro-enterprise.

Fields of Study

The study fields of the Master of Agricultural Industrial Technology program consist of Agroindustrial Systems and Management Engineering, Agroindustrial Processing Technology and Process Engineering, and Agroindustrial Environmental Technology.

Career Prospects

1. Production and quality assurance managers in agroindustrial processing plants overseeing operations and supply chain optimization.
2. Lecturers and researchers at universities or agroindustry research centers.
3. Technopreneurs launching startups.

Curriculum

Click the link to view:
<https://tinyurl.com/Agri-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
TIP81101	Research Methodology	3	TIP82101	Publication of review articles	2
TIP81102	Capita Selecta Agroindustry	1	TIP80101	Colloquium	1
TIP81103	Agroindustrial Material Processing Technology	3	---	Elctive Course	
TIP81104	Advanced System Modeling and Simulation	3			
TIP81105	Agroindustrial Environmental Engineering and Management	3			
Semester 3			Semester 4		
TIP81106	Research	6	TIP82102	Publication of scientific articles in indexed international journals	3
TIP81107	National/international seminar speaker	2	TIP80104	Final Exam	7
TIP81108	Publication of scientific articles in Sinta 4 accredited national journals	3	TIP80105	Thesis	2
TIP80102	Research Results Seminar	1			

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Agricultural>



For More Information:

Website:
<https://tip.fateta.unand.ac.id/>

Brochure:
<https://tinyurl.com/Agricultural-Brochure>



Mathematics

Academic Degree:
Master of Science (M.Si)

Campus Location:
Limau Manis, Padang

Total Credits:
40 sks

Normal Study Period:
4 Semester (2 Tahun)

The Master's Program in Mathematics at Universitas Andalas was established on December 31, 2008, based on the Decree of the Director General of Higher Education No. 4672/D/T/2008. Since its establishment, the Master's Program in Mathematics at Universitas Andalas has been accredited by LAMSAMA with an Excellent (UNGGUL) accreditation status. The current curriculum, implemented in 2023, has been designed to accommodate advancements in science and technology, the development of faculty competencies and expertise, and the needs of the labor market, emphasizing future-oriented scientific relevance and graduate competencies.

Strengths

- Excellent (UNGGUL) accreditation by LAMSAMA, reflecting strong academic quality and governance.
- Qualified faculty with doctoral degrees and active research, supporting high-level mathematical scholarship.
- Future-oriented 2022 curriculum, aligned with scientific advances, industry needs, and graduate competencies.
- Adequate academic facilities and research environment, supporting thesis work and scholarly collaboration.

Fields of Study

The Master's Program in Mathematics at Universitas Andalas covers key areas including analysis, algebra, combinatorics, applied mathematics, and statistics. The program emphasizes theoretical foundations, advanced analytical skills, and research-based problem solving, with applications in science, technology, health, and industry, supporting the development of independent and innovative mathematical research.

Career Prospects

Graduates of the Master's Program in Mathematics at Universitas Andalas have career opportunities as academicians, researchers, data analysts, and quantitative consultants. They are also prepared to work in industry, government institutions, finance, technology, and research centers, as well as to pursue doctoral studies in mathematics or related fields.

Curriculum

Click the link to view:
<https://matematika.fmipa.unand.ac.id/magister/kurikulum-obe/>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
MAT81101	Research Method and Scientific Publication	3	MAT82141	Dynamical System	3
MAT81111	Advance Linear Algebraic	3	MAT82151	Combinatorics Theory	3
MAT81121	Advance Real Analysis	3	MAT82101	Proposal Seminar	2
MAT81121	Probability Theory	3	MAT****	Electives (*)	3
Semester 3			Semester 4		
MAT****	Electives (*)	3	MAT81102	Result Seminar	2
MAT****	Electives (*)	3	MAT81103	Thesis 1	3
MAT****	Electives (*)	3	MAT81104	Thesis 2	3

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Mathematics>



For More Information:

Website:
<https://matematika.fmipa.unand.ac.id/magister>

Brochure:
<https://tinyurl.com/S2Math-Brochure>



Literature

Academic Degree:
Master of Humanities
(M. Hum.)

Campus Location:
Limau Manis, Padang

Total Credits:
46 - 52 Credits

Normal Study Period:
4 Semesters (2 Years)

The Master of Literature Program was established in 2017. This study program is one of the four graduate programs at the Faculty of Humanities, Andalas University.

The number of lecturers teaching in the study program is 11 with Doctoral qualifications. The total intake is 63 students (as of July 2023), and 22 have graduated and worked in various places and professions.

Strengths

- Has an excellent accreditation.
- Has good teaching and learning facilities.
- Has 5 professors and 13 doctors of literature, linguistics, and history.
- Has an adaptive and industry-related curriculum.

Fields of Study

1. Literary theories
2. Literary history
3. Literary Criticism
4. Applied Literature

Career Prospects

1. Literary practitioners and observers
2. Educators
3. Creators

Curriculum

Click the link to view:
<https://tinyurl.com/Literature-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
MSA 101	Philosophy of Science	3	MSA 205	Literary Research Methods	3
MSA 102	Theory of Literature	3	MSA 207	Sociology of Literature	3
MSA 103	History of Literature	3	MSA 206	Codicology and Philology	3
MSA 104	Oral Literature	3	MSA 208	Literature, Ecology. and Culture (*)	2
			MSA 209	Popular Literature (*)	2
			MSA 210	Literature and Industry (*)	2
			MSA 211	Literature and Religions(*)	2
			MSA 214	Postcolonial Literature (*)	2
Semester 3			Semester 4		
MSA 318	Colloqium	1	MSA 419	Research Results Seminar	2
MSA 315	Literature and Revolution (*)	2	MSA 420	Thesis	8
MSA 313	Contemporary Literature (*)	2			
MSA 316	The Indonesian Archipelago Manuscripts	2			
MSA 317	Literature and Tourism (*)	2			
MSA 312	Literature and Identity Politics (*)	2			

(*) Elective Course

Click the link below to view the entire course structure: <https://tinyurl.com/CS-Literature>



For More Information:

Website:
<https://fib.unand.ac.id/#>

Brochure:
<https://tinyurl.com/Literature-Brochure>



Economics

Academic Degree:
Master of Economics (M.E)

Campus Location:
Limau Manis, Padang

Total Credits:
54 Credits

Normal Study Period:
4 Semester (2 years)

Master in Economics equips students with ability to utilize economic theory and tools to analyze economic problems and provide workable recommendations. Studying economics at Department of Economics Universitas Andalas adequates student with rigorous economic theories and applications to be a researcher, lecturers, or policy makers.

Strengths

- Highest strata on national accreditation
- Taught in English
- Quantitative approaches.

Fields of Study

- Regional economics and planning
- Human resources economics
- Public economics and policy

Career Prospects

Lecturer of economics, researcher, policy makers, economic planners; market analysts

Curriculum

Click the link to view:
<https://feb.unand.ac.id/>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
EKO81101	Microeconomic Analysis	3	ECO551	Econometrics	3
EKO81102	Macroeconomic Analysis	3	ECO604	Research Methodology and Philosophy of Science	3
EKO81103	Mathematical Economics	3	EKO82211	Development Planning Techniques	3
EKO8210 2	Development Economics	3	ECO564	Microeconomic Theory	3
EKO81104	Statistical Economics	3	ECO565	Macroeconomic Theory	3
Semester 3			Semester 4		
ECO603	Seminar in Economics and Development Planning	3	EKO8010 0	Thesis	12
	Economics Learning Studio	3			
	Elective 1 (*)	3			
	Elective 2 (*)	3			

(*) Elective Course

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Economics>



For More Information:

Website:
<https://feb.unand.ac.id/>

Brochure:
<https://feb.unand.ac.id/>



Accounting

Academic Degree:
Magister of Accounting

Campus Location:
Limau Manis, Padang

Total Credits:
44 Credits

Normal Study Period:
4 Semester (2 years)

The objectives of the PSMA FEB Unand are as follows: To excel in functional accounting knowledge; To design and conduct research in accounting using or applying existing theories; and to integrate accounting knowledge, learning, and research skills to stimulate the development and solution of accounting problems in both the public and private sectors.

To support the learning process, the PSMA curriculum and learning methods have been designed and updated periodically, following developments in the business and accounting worlds and taking into account stakeholder input. An international orientation and an interdisciplinary approach are also key considerations in curriculum development. The quality of educational services, learning assurance, and student health and welfare meet International standards

Strengths

- Experienced lecturers from academics and practitioners; over 50% of lecturers are alumni of foreign universities, ensuring a strong international academic record.
- The latest references, adapted to the latest business developments, are sourced from textbooks and reputable national and global scientific journals.
- The PSMA curriculum and learning methods are periodically updated and keep pace with developments in the business and accounting world, taking into account input from stakeholders
- A conducive campus environment for learning.

Fields of Study

Regarding the curriculum offered, we have improved the content and course offerings in each concentration, namely "Government Accounting, Management Accounting, and Financial Accounting. We have indicated which courses are mandatory and which are concentration options. The number of courses across the three concentrations is the same: 12 classes. Therefore, the courses offered are balanced between the three concentrations.

Career Prospects

PSMA graduates generally find success at the national level, serving as heads of government agencies and multinational corporations, and as lecturers and researchers at both private and public universities. They also pursue careers in reputable public accounting firms, business consultants, and financial analysts.

Curriculum

Click the link to view:
<https://tinyurl.com/Curriculum-S2Accounting>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
EKA 712	Business and Professional Ethics (AP, AK and AM)	3	EKA 521	Financial Management and capital markets (AK and AM)	3
EKA 724	Seminar on analysis of financial reports and information (AP, AK and AM)	3	EKA 519	Multivariate analysis (AK, AM & AP)	3
EKA 363	Accounting theory and practice (AP, AK and AM)	3	EKA 641	Accounting and management information system (AK & AM)	3
EKA 613	Research methodology (AP, AK and AM)	3			
Semester 3			Semester 4		
	Course per Consenteration		EKA 622	Research proposal seminar	3
			EKA 663	Thesis	3

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Accounting>



For More Information:

Website:
<https://pasca.feb.unand.ac.id/>

Brochure:
<https://drive.google.com/drive/u/2/my-drive>



Plant Protection

Academic Degree: Master of Agriculture (M.P.)

Campus Location: Limau Manis, Padang

Total Credits: 60 Credits

Normal Study Period: 4 semester (2 years)

The Master of Plant Protection Program provides advanced education in tropical plant protection innovations through biological control, biotechnology, ecological engineering, and environmentally sound pest management. The program emphasizes integrated pest management approaches to support resilient and environmentally friendly agricultural systems.

This program aims to develop educators, researchers, and future professionals with comprehensive perspectives in plant protection. Graduates are equipped with advanced technical skills in pest detection and diagnosis using modern technologies, propagation and conservation of natural enemies, and the judicious use of synthetic pesticides while minimizing risks to human health and the environment.

Strengths

- A Master's program with excellent national accreditation, offering one of the most comprehensive plant protection programs in Indonesia.
- Having a unique curriculum aligned with international standards and global challenges in plant protection.
- A practical and flexible learning ecosystem integrating theory and practice, laboratory and fieldwork.
- A globally engaged program with active international partnerships in education, research, and community service.

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
PRO 8011	Research Methods and Scientific Ethics	3	PRO 8013	Biointensive IPM	3
PRO 8012	Biotechnology of Plant Protection	3	PRO 8014	Special Topics	3
Semester 3			Semester 4		
PRO 8015	Colloquium	1	PRO 8016	Thesis Results Seminar	2
--	Elective Course		PRO 8017	Comprehensive Examination	3
			PRO 8018	Thesis	6
			PRO 8019	English Proficiency	2
			PRO 80110	Scientific Publication	3
			--	Elective Coourse	

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2PlantProtection>

Fields of Study

Plant Protection Master's Program consists of two fields of study: Plant Pest Management (PPM) and Plant Disease Management (PDM). Both emphasize decision-based management, integrating monitoring, diagnosis, risk assessment, biological control, and judicious pesticide use within Integrated Pest Management frameworks to support sustainable crop protection in tropical agroecosystems.

Career Prospects

Graduates of the Master's Program in Plant Protection can pursue careers as educators, researchers, specialists, and policy analysts. They are also well prepared for professional roles in agribusiness, the industry, and consulting, contributing to sustainable agriculture, food security, and environmental protection.

Curriculum

Click the link to view:

<https://tinyurl.com/S2PlantProtection-Curriculum>



For More Information:

Website:
<https://proteksitanaman.vercel.app/id>

Brochure:
<https://tinyurl.com/S2PlantProtection-Brochure>



Public Health

Academic Degree:
Master of Public Health
(M.Kes)

Campus Location:
Limau Manis, Padang

Total Credits:
47 Credits

Normal Study Period:
4 semester (2 years)

This study program was established to address increasingly complex public health issues. The government expects individuals capable of comprehensively managing health issues. The concept of disease prevention is fundamental to reducing morbidity and mortality. Analytical skills are required to identify the root causes of these issues and then manage them with skilled managers. This is complemented by the ability to analyze existing policies to provide input and potential policy innovations for better and more up-to-date health management.

Strengths

- A structured, clear curriculum based on real-world policy practices.
- A regular study progress monitoring system.
- Applicable and high quality thesis research topics for publication and implementation.

Fields of Study

Analysis of health policy implementation and various factors that can influence policy-making.

Understand the rationale for health policies and strategies to improve public health, health care systems (primary, secondary, and tertiary), demographic transition, epidemiological transition, utilization of health technology, and allocation of health funding, as well as an understanding of the principles, organizational processes, and management within organizations related to disease prevention and health policy.

Career Prospects

- Health policy analyst
- Health program planner and evaluator
- Disease prevention program manager
- Applied public health researcher

Curriculum

Click the link to view:
<https://tinyurl.com/S2PublicHealth-Curriculum>



For More Information:

Website:
<https://fk.unand.ac.id/s2kesmas/>

Brochure:
<https://tinyurl.com/PublicHealth-Brochure>



COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
KUM 111	Intermediate Statistics	2	KUM 211	Data Management And Analysis	3
KUM 112	Intermediate Epidemiology	2	KUM 212	Research Methodology	2
KUM 113	Health and Environmental Management	2	KUM 213	Strategic Leadership & Systems Think	2
KUM 114	Human Resource Management	2	KUM 214	Health Economics	2
KMK 111	Child and Maternal Health Management	2	KMK 211	Analysis Of Nutrition Problem Programs And Food Policy	2
KMK 112	Behavioral and Health Law	2	KMK 212	Life Cycle and Child Development	2
KMK 113	Health Organization and Management	2	KMK 213	Politics And Health Policy	2
			KMK 214	Advanced Nutritional Epidemiology	2
Semester 3			Semester 4		
RCD301	Residency	2	TSS 301	Research Proposal	1
	Elective Course (*)	2	SHS 302	Research Thesis	1
	Elective Course(*)	2	TSS 303	Thesis	6
	Elective Course(*)	2			

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2PublicHealth>

Communication Sciences

Academic Degree:
Master of Communication
Science (M.I.Kom)

Campus Location:
Jati, Padang

Total Credits:
44 Credits

Normal Study Period:
4 semester (2 Years)

The Master of Communication Science Program at Andalas University is designed to become a center of excellence in research-based and innovative communication studies grounded in local wisdom and global perspectives. The program aims to produce academically and professionally competent graduates, particularly in Public Relations and Government Public Relations, who can respond to social, technological, and policy challenges.

Through research, innovation, community engagement, and international collaboration, the program strengthens strategic communication, digital media studies, and evidence-based public policy. Its multidisciplinary approach ensures graduates are competitive at national and international levels while contributing to sustainable development.

Strengths

- Strong institutional collaboration: Long-standing partnership with the Ministry of Communication and Informatics providing scholarships from 2012–2024.
- Excellent accreditation: Currently awarded Superior (Unggul) accreditation, reflecting academic quality and strong institutional governance.
- Qualified academic staff: Lecturers hold doctoral and professorial degrees with active research and international publications.
- Relevant curriculum and facilities: Adaptive curriculum, supported by adequate postgraduate facilities and research-based learning.

Fields of Study

- Andalasian Character Development and Foundation of Social Sciences
- Foundation of Communication
- Communication Theories
- Research Methodologies in Communication
- Government Public Relations
- Digital Communication

Career Prospects

Graduates of the Master of Communication Studies at FISIP Andalas University have strong career prospects in Government Public Relations and Media Studies. They are prepared to work as government PR officers, communication policy consultants, media analysts, researchers, academics, and media literacy advocates. Equipped with research-based, digital, and ethical competencies, graduates are able to manage public communication, analyze media dynamics, handle communication crises, and contribute to evidence-based public and media communication policies.

Curriculum

Click the link to view:
<https://share.google/vr0bNsM6Yr3nhLCM1>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
ISK 111	Philosophy and Ethics Of Communication	3	ISK 211	Organizational Communication Seminar	3
ISK 112	Perspectives and Theories Of Communication	3	ISK 212	Development Communication Seminar	3
ISK 113	Communication Research Methods	3	ISK 213	Reputation, Crisis, and Public Relations Management Seminar	3
ISK 114	Information Service System and Government Public Relations	3	ISK 214	Public Relations Planning Seminar	3
ISK 115	Political Economy and The Communications Industry	3	ISK 215	Cyber Public Relations Seminar	3
Semester 3			Semester 4		
ISK 311	Colloquium Seminar	1	ISK 411	Thesis	6
	Elective Course		ISK 412	Results Seminar	1

Click the link below to view the entire course structure: <https://tinyurl.com/CS-CommunicationSciences>



For More Information:

Website:
<https://share.google/vr0bNsM6Yr3nhLCM1>

Brochure:
<https://tinyurl.com/Communication-Brochure>



Public Administration

Academic Degree:
Master of Public Administration
(M.A.P)

Campus Location:
Limau Manis, Padang

Total Credits:
47 Credits

Normal Study Period:
4 Semester (2 Years)

The Master's Programme in Public Administration at Universitas Andalas aims to produce outstanding, ethical, and internationally competitive graduates in policy entrepreneurship. Guided by SEJATI values, the programme integrates outcome-based education, applied research, and stakeholder collaboration. Its mission focuses on policy planning, analysis, advocacy, and public management, supported by research and community engagement addressing real governance challenges. The programme prepares graduates to respond to future public sector demands, including digital transformation, collaborative governance, and evidence-based policymaking. Through strong partnerships and quality assurance, graduates gain the competence to lead reforms, strengthen public service delivery, and contribute to sustainable and accountable governance at national and global levels

Strengths

- Faculty actively engaged in international publications, research collaborations, and professional recognition at national and global levels.
- Strong stakeholder partnerships with government institutions supporting applied research, community engagement, and policy-relevant learning experiences.
- Digital learning environment, research-based teaching, and supportive academic supervision ensuring timely completion and high-quality graduate outcomes.

Fields of Study

The study programme focuses on public administration, public policy, and governance. Key areas include policy analysis and advocacy, public sector management, collaborative governance, digital transformation in government, and evidence-based policymaking. It also emphasizes research methods, institutional development, and ethical leadership grounded in public values. These fields equip students to address complex governance challenges and improve public service delivery in dynamic social and administrative environments.

Career Prospects

Graduates of the Master's Programme in Public Administration have diverse career prospects in the public and academic sectors. They work as policy analysts, mid-level public managers, government consultants, researchers, and lecturers. With competencies in evidence-based policymaking, governance, and digital transformation, graduates are prepared to lead reforms, improve public service delivery, and contribute to institutional capacity building at local, national, and international levels.

Curriculum

Click the link to view:
<https://tinyurl.com/S2PA-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
MAP 101	Public Administration Theory	3	MAP 201	Administrative Research Methods	3
MAP 102	Public Policy and Applications	3	MAP 202	Organisational Theory and Applications	3
MAP 103	Public Sector Management	3	MAP 201	Administrative Research Methods	3
MAP 104	Philosophy of Administrative Science	3	MAP 202	Organisational Theory and Applications	3
MAP 105	Development Theory	3			
Semester 3			Semester 4		
---	Elective Course		MAP 401	Seminar Results	1
			MAP 402	Thesis	6

Click the link below to view the entire course structure: <https://tinyurl.com/CS-PublicAdministration>



For More Information:

Website:
<https://administrasipublik.fisip.unand.ac.id/>

Brochure:
<https://tinyurl.com/S2PA-Brochure>



Agronomy

Academic Degree:
Master of Agriculture (M.P)

Campus Location:
Limau Manis, Padang

Total Credits:
36 Credits

Normal Study Period:
4 Semester (2 years)

The Master's Program in Agronomy at the Faculty of Agriculture, Universitas Andalas provides advanced education in crop science and sustainable agricultural systems. The program integrates scientific innovation, local agroecosystem strengths, and global agricultural perspectives to address current and emerging challenges in agriculture. Graduates gain expertise that is highly relevant to future agricultural needs, including sustainable resource management, climate-resilient cropping systems, biotechnology applications, and digital agriculture.

Strengths

The Master's Program in Agronomy at the Faculty of Agriculture, Universitas Andalas has achieved Excellent Accreditation, reflecting its strong academic quality, governance, and relevance. Graduates are equipped with the ability to manage sustainable crop production processes and technologies, supported by proficiency in English, information technology skills, leadership capacity, and strong potential to pursue higher levels of education.

Fields of Study

1. Plant Physiology and Biochemistry; Focuses on understanding plant growth, development, metabolism, and responses to environmental factors
2. Plant Breeding, Genetics, and Biotechnology; Emphasizes genetic improvement of crops through conventional and modern approaches
3. Seed Science and Plant Propagation; Studies seed development, quality, ecology, and technology
4. Agroecology and Sustainable Agriculture Systems: Integrates ecological principles into agricultural systems to achieve sustainability, environmental conservation, and long-term productivity.
5. Crop Production and Specialized Crop Cultivation
6. Research Methodology and Experimental Analysis

Career Prospects

Graduates of the Master's Program in Agronomy have broad and promising career opportunities in various sectors. They can work as researchers or scientists, lecturers or academic staff. Graduates can pursue careers as agricultural planners, policy analysts, extension specialists, or technical experts. In the agribusiness and private sector, career opportunities include roles as agronomists, production managers, quality control specialists, sustainability officers, and consultants in plantation companies, seed industries, agrochemical companies, and agricultural technology firms

Curriculum

Click the link to view:
<https://tinyurl.com/Agronomy-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
AGR 511	Advanced Plant Physiology (Mandatory)	3	AGR 521	Research Methodology	3
	Elective Course			Elective Course	
Semester 3			Semester 4		
PPS 611	Colloquium (Mandatory)	1	PPS 621	Result Seminar (Mandatory)	1
	Elective Course		PPS 622	Thesis (Mandatory)	6

Click the link below to view the entire course structure: <https://tinyurl.com/CS-Agronomy>



For More Information:

Website:
bdp.faperta.unand.ac.id

Brochure:
<https://tinyurl.com/S2Agronomy-brochure>



Linguistic



Academic Degree:
Master of Linguistics (M.Hum)



Campus Location:
Limau Manis, Padang



Total Credits:
54 Sks



Normal Study Period:
4 Semester (2 tahun)

The Master's Program in Linguistics provides advanced knowledge of language structure, use, and variation, supported by contemporary linguistic theories and interdisciplinary approaches. The program aims to develop graduates with strong analytical, research, and critical thinking skills to address complex language-related issues. Its benefits include preparing professionals for careers in education, research, language technology, policy, and cultural industries. With growing demands in digital communication, multilingual societies, and artificial intelligence, this program is highly relevant to future needs in global communication and language-based innovation.

Strengths

- Accredited program with a strong academic reputation and commitment to quality assurance.
- Highly qualified faculty with expertise in theoretical, applied, and interdisciplinary linguistics.
- Up-to-date curriculum aligned with global linguistic research and future language industry needs.
- Supportive learning facilities and research environment fostering innovation and academic excellence.

Fields of Study

The program covers core and applied areas of linguistics, including phonetics and phonology, morphology and syntax, semantics and pragmatics, sociolinguistics, psycholinguistics, discourse analysis, and applied linguistics. These fields enable students to analyze language structure, use, cognition, and social interaction in both traditional and digital contexts.

Career Prospects

Graduates can pursue careers as linguists, language researchers, lecturers, translators, language consultants, editors, and curriculum developers. They are also prepared for roles in language technology, media, publishing, government institutions, and international organizations, as well as further doctoral studies in linguistics or related fields.

Curriculum

Click the link to view:

<https://hum.ilearn.unand.ac.id/course/index>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
LIN 80101	Philosophy of Language	3	LIN 80106	Diachronic Dialectology	3
LIN 80102	Advanced Phonology	3	LIN 80107	Pragmatics	3
LIN 80103	Advanced Morphology	3	LIN 80108	Sociolinguistics	3
LIN 80104	Advanced Syntax	3	LIN 80109	Linguistic Research Methods	3
LIN 80105	Advanced Semantics	3	LIN 80201	Anthropological Linguistics	2
Semester 3			Semester 4		
LIN 80110	Schools of Linguistics	3	LIN 80113	Colloquium	1
LIN 80111	Critical Discourse Analysis	3	LIN 80114	Research Results Seminar	2
LIN 80112	Comparative Historical Linguistics	3	LIN 80115	Thesis	6
LIN 80210	Translation Studies	2			
LIN 80204	Academic English	2			

Click the link below to view the entire course structure: <https://tinyurl.com/CS-Linguistic>



For More Information:

Website:
<https://www.fib.unand.ac.id>

Brochure:
<https://tinyurl.com/Linguistic-Brochure>



Management

Academic Degree:
Master of Management
(M.M)

Campus Location:
Limau Manis, Padang

Total Credits:
54 Credits

Normal Study Period:
3-4 Semester (2 years)

Master of Management UNAND aims to increase the management skill of professional and non professional in managing business.

It offers the specific skills and knowledge in Finance, Marketing, HRM, Strategic and Entrepreneurship.

Strengths

We are nationally and internationally accredited by Lamemba and FIBAA. We have been acknowledged as one of the best business master degree.

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
MNJ80101	Leadership & Organizational Behaviour	3	MNJ80106	Human Capital Management	3
MNJ80102	Economics for Managers	3	MNJ80107	Operations Management	3
MNJ80103	Corporate Finance	3	MNJ80108	Strategic Management	3
MNJ80104	Marketing for Southeast Asian	3	MNJ80110	Business Simulation and Analysis	3
MNJ80105	Managing Information Technology	2		Elective (*)	3
MNJ80109	Research Method for Management	2			
Semester 3					
MNJ80201	Advanced Strategic Management				3
MNJ80202	Strategic Finance				3
MNJ80203	Strategic Marketing				3
MNJ80204	Strategic HRM				3
MNJ80111	Thesis				3

Fields of Study

Finance, Marketing, Human Resources Management, Strategic Management and Entrepreneurship

Career Prospects

Profesional Business Manager

Curriculum

Click the link to view:
www.mm.fekon.unand.ac.id



For More Information:

Website:
www.mm.fekon.unand.ac.id

Brochure:
www.mm.fekon.unand.ac.id



Click the link below to view the entire course structure: <https://tinyurl.com/SC-S2Management>

Civil Engineering

Academic Degree:
Magister Teknik Sipil (MT)

Campus Location:
Limau Manis, Padang

Total Credits:
36 Credits

Normal Study Period:
4 semester (2 tahun)

The Master's Program in Civil Engineering at Universitas Andalas is structured with a strong emphasis on disaster-oriented engineering, reflecting Indonesia's high exposure to seismic, geotechnical, and climate-related hazards. The program aims to develop advanced expertise in disaster risk reduction through performance-based design, seismic and multi-hazard analysis, resilient infrastructure planning, and post-disaster assessment. Its primary objective is to prepare graduates capable of anticipating, mitigating, and managing the impacts of natural hazards on the built environment through scientifically grounded, future-oriented engineering approaches. The program provides significant benefits by producing professionals and researchers who contribute to safer, more resilient, and sustainable infrastructure systems, ensuring strong relevance to future challenges such as urban disaster resilience, climate change adaptation, and evidence-based mitigation policies.

Strengths

- Accredited graduate program with strong national recognition and consistent academic and research achievements.
- Expert faculty members specializing in disaster risk reduction, seismic engineering, and resilient infrastructure systems.
- Advanced laboratories and research facilities supporting experimental, numerical, and performance-based disaster engineering studies.
- Future-oriented curriculum integrating multi-hazard analysis, sustainability, and research-driven learning aligned with global standards.

Fields of Study

The program's study areas focus on disaster-oriented civil engineering, covering seismic and multi-hazard analysis, performance-based structural design, geotechnical earthquake engineering, resilient transportation and water infrastructure, and risk-informed assessment of existing structures. These fields are integrated to support disaster risk reduction, infrastructure resilience, and sustainable development in hazard-prone regions.

Career Prospects

Graduates have strong career prospects as disaster-resilient structural engineers, infrastructure and seismic consultants, risk and resilience analysts, government technical experts, researchers, and academic staff. They are also well prepared for roles in planning agencies, disaster management institutions, international development projects, and for pursuing doctoral studies in disaster-focused civil engineering fields.

Curriculum

Click the link to view:
<https://tinyurl.com/S2Civil-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
ISA511	Philosophy of Social Sciences	3	ISA 513	Theories of Anthropology	3
ISA512	Epistemology Anthropology	3	ISA 522	Ethnographic and Practices of Research Methods	3
ISA514	Theory Development and Globalisation	3	ISA 532	Wisdom and Local Cultural Values	3
ISA521	Anthropology Qualitative Research Methods	3	ISA 541	Ethno-Political (*)	3
ISA531	Based Development of Local Culture	3	ISA 543	Agrarian Conflict and Power (*)	3
			ISA 641	Gender and Development (*)	3
			ISA 646	Ethnolinguistics (*)	3
Semester 3			Semester 4		
ISA 542	Religion and Social Development (*)	3	ISA 612	Research Seminar	1
ISA 642	Health, Nutrition and Social Policy (*)	3	ISA 613	Thesis	6
ISA 643	Bureaucracy and Local Government (*)	3			
ISA 644	Social and Cultural Development and Public Policy (*)	3			
ISA 645	Coastal Development and Society (*)	3			
ISA 611	Colloquium	1			

(*) Elective Course

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Civil>



For More Information:

Website:
<https://sipil.ft.unand.ac.id/>

Brochure:
<https://sipil.ft.unand.ac.id/>



Chemistry

Academic Degree:
Master of Science (M.Si)

Campus Location:
Limau Manis Padang

Total Credits:
40 Credits

Normal Study Period:
4 Semester (2 Years)

The goal of the UNAND Master of Chemistry program is to produce graduates with a strong foundation in chemistry, who are actively involved in collaboration and research, and who are competitive at the national and international levels. To increase the productivity of basic and applied research in assessing and developing the potential of tropical natural resources to support sustainable development.

To enhance the implementation of research findings in the context of transforming scientific knowledge into society. To expand the network of mutually beneficial collaborations for higher education activities with various government and private institutions.

Strengths

- High Accreditation**
The Chemistry Master's Program has been accredited with an A/Excellent rating by the national accreditation agency, demonstrating high standards of quality learning, curriculum, and educational management.
- International Opportunities and Competitions**
Students are encouraged to participate in seminars and activities that enhance their international and professional competitiveness. These events foster both non-academic skills and global networking.
- Academic Facilities and Support**
The Chemistry Master's Program is supported by well-equipped laboratory facilities for practical work and research, as well as highly qualified lecturers in their fields.

Fields of Study

In general, the Chemistry Master' Program includes theoretical studies, laboratory work, and research in various branches of chemistry, such as: Physical Chemistry, Organic Chemistry, Analytical Chemistry, Biochemistry, and Inorganic Chemistry, plus opportunities to conduct in-depth scientific research published in accredited national and international scientific journals.

Career Prospects

UNAND Master's in Chemistry graduates have broad career opportunities due to the combination of research, analytical skills, and scientific experience gained from their master's studies. These prospects include:

- ✓ Researchers in industry or research institutions
- ✓ Lecturers or education professionals
- ✓ Quality Control/Assurance
- ✓ Environmental or chemical consultants
- ✓ Manufacturing industry and government regulations
- ✓ Technology-based entrepreneurship
- ✓ R&D and product innovation

Curriculum

Click the link to view:
<https://tinyurl.com/Chemistry-Curriculum>

COURSE STRUCTURE

Code	Course	Credit	Code	Course	Credit
Semester 1			Semester 2		
KIM 81101	Advanced Physical Chemistry	2	KIM 82102	Preliminary Research and Proposal Seminar	1
KIM 81102	Advanced Organic Chemistry	2			
KIM 81103	Advanced Analytical Chemistry	2			
KIM 81104	Advanced Biochemistry	2			
KIM 81105	Advanced Inorganic Chemistry	2			
KIM 81106	Research Methodolog	2			
KIM 81107	Research Preparation	1			
Semester 3			Semester 4		
KIM 83101	Master's Research	2	KIM 84101	Research Results Seminar	1
			KIM 84102	Thesis	6
			KIM 84103	Master's Examination	1

Click the link below to view the entire course structure: <https://tinyurl.com/CS-S2Chemistry>



For More Information:

Website:
<https://kimia.fmipa.unand.ac.id/>

Brochure:
<https://tinyurl.com/Chemistry-Brochure>



Development Studies

 **Academic Degree:** Doctor (Dr.)
  **Campus Location:** Limau Manis Padang
  **Total Credits:** 42 credits
  **Normal Study Period:** 6 Semesters (3 Years)

Development studies is a science that engages in interdisciplinary research on development issues. The application of an interdisciplinary perspective to this study program is a natural consequence of the development issues themselves, which, in general, do not stand alone but are interrelated issues, both vertically and horizontally.

Based on the development of existing theories, concepts, and development paradigms to date, the Doctoral Program in Development Studies is aimed at fostering more dynamic thinking on an integrative scientific basis (integration across social, economic, engineering, and other disciplines) that prioritizes welfare, equity, and sustainability.

Strengths

- UNGGUL (Excellence) accredited by BAN-PT in 2025, valid until 2030
- Experienced in graduating international students
- International-standard teaching and learning support facilities
- Most of the main promoters hold Dr degrees and are Professors in various disciplines

COURSE STRUCTURE

Code	Course Name	Credits	Code	Course Name	Credits
Semester 1			Semester 2		
PPS 711	Philosophy of Science	3	PPS 732	Special Topics II	3
DSP 711	Concept of Sustainable Development	3	PPS 713	Research Proposal Seminar	1
DSP 712	Capita Selecta: Paper Writing & Seminar	3	-	Preliminary Examination	-
PPS 731	Special Topics I	3	...	Elective Course	3
...	Elective Course	3			
Semester 3-6					
Code	Course Name	Credits			
PPS 741	Progress Report I	3			
PPS 742	Progress Report II	3			
PPS 743	Progress Report III	3			
PPS 744	Progress Report IV	3			
PPS 751	National Seminar	2			
PPS 752	International Seminar	4			
PPS 812	Research Results Seminar	1			
PPS 813	Dissertation and Doctoral Examination	15			

Fields of Study

In general, the Development Studies Doctoral Program promotes research aligned with the 17 SDGs, focusing on seven areas: natural resources and environmental management; infrastructure and regional planning; social conflict and sustainability; local culture and sustainable development; sustainable agricultural and food systems; public health development; and development extension and communication.

Career Prospects

Graduates of the Development Studies Doctoral Program may pursue careers as lecturers, practitioners, or professionals in government and non-governmental organizations. Their strong mastery of development problem-solving methods enables them to produce practical, conceptual, and policy-oriented solutions. Through rigorous and independent research training, graduates are well equipped to lead analytical and applied activities in development and community empowerment.

Curriculum

Click the link to view: <https://pdsp.pasca.unand.ac.id/index.php/pdsp/profil/kurikulum>



For More Information:

Website: <https://pdsp.pasca.unand.ac.id/>
Brochure: <https://tinyurl.com/Development-Brochure>



Click the link below to view the entire course structure: <https://tinyurl.com/CS-Development>

Public Health



Academic Degree:
Doctor (Dr.)



Campus Location:
Jl. Perintis Kemerdekaan
No 94 Padang



Total Credits:
60 Credits



Normal Study Period:
6 Semesters (3 Years)

COURSE STRUCTURE

The Doctoral Program in Public Health is one of the postgraduate programs within the Faculty of Medicine, Universitas Andalas, and has been officially authorized since 2014. The program aims to provide opportunities for Master's degree graduates, particularly in the health sciences, to pursue doctoral-level education.

Its establishment also supports the regional government's target to increase the number of doctoral graduates. In line with the development of public health science, which is closely related to medical disciplines, this program serves as a strategic platform for advancing scientific development and human resources in the health sector.

Strengths

- Excellent Accreditation
- Curriculum based on good infrastructure
- Lectures expert in their field, from internal and also abroad, such as Malaysia, Australia
- Monitoring evaluation in every semester

Fields of Study

1. Health policy development to support the formulation of governors', regents', and mayors' decrees at the provincial, regency, and city levels.
2. Production of intellectual property rights (IPR) as outputs of research activities.
3. Health promotion initiatives, including the development of application-based tools for public health.
4. Policy briefs aimed at advocating and supporting government leadership in public health programs.
5. Promotion of local wisdom and culture through research that integrates and elevates indigenous knowledge.

Career Prospects

1. To support career advancement within academic ranks (e.g., Professor, Rector, and other senior academic leadership positions).
2. To contribute to the governmental sector as an expert consultant in addressing health-related issues in accordance with the individual's area of expertise.
3. Within health institutions, to assume leadership roles in the development and implementation of innovative health programs.
4. To facilitate opportunities for collaborative research, both at the national and international levels.

Curriculum

Click the link to view:
<https://tinyurl.com/PublicHealth-Curriculum>

Code	Course Name	Credits	Code	Course Name	Credits
Semester 1			Semester 2		
DKM101	Philosophy of Science	2	DKM201	Public Health Research Methodology	2
DKM102	Advanced Epidemiology	2	DKM202	Occupational Health and Safety	2
DKM103	Health Program Planning and Policy Evaluation	2	DKM203	Scientific Writing and Publication	2
DKM104	Environmental Health	2	DKM204	Biostatistics and Data Analysis Management	2
DKM105	Health Policy Management	2	DKM205	Public Health Nutrition	2
DKM106	Socio-Anthropology of Health Behavior	2			
Semester 3			Semester 4		
...	Elective Courses		DKM401	Colloquium	5
Semester 5			Semester 6		
DKM501	Results Seminar	4	DKM601	Dissertation and Doctoral Examination	15
DKM502	International Journal Publication	8			



For More Information:

Website:
<https://fk.unand.ac.id/s3kesmas/>

Brochure:
<https://fk.unand.ac.id/s3kesmas/>



Click the link below to view the entire course structure: <https://tinyurl.com/CS-PublicHealth>

Animal Science

 **Academic Degree**
Doctor (Dr.)

 **Campus Location:**
Limau Manis Padang

 **Total Credits:**
42 Credits

 **Normal Study Period:**
6 Semesters (3 Years)

The Doctoral Program in Animal Science at the Faculty of Animal Science, Universitas Andalas, offers advanced, research-based education to develop innovative and globally competitive scholars.

The program aims to generate new knowledge and strategic solutions in livestock production, nutrition, biotechnology, and agribusiness to address future challenges. Its benefits include strengthening scientific leadership, advancing sustainable and climate-resilient livestock systems, supporting food security, and contributing to evidence-based policies and technologies relevant to tropical and global contexts.

Strengths

- Accredited doctoral program with a strong research reputation
- Highly qualified faculty, including professors with international education, extensive research output, and global academic networks.
- Comprehensive facilities, modern laboratories, experimental farms, and access to national and international journals.
- Future-oriented curriculum focusing on sustainable livestock systems, biotechnology, food security, and climate-resilient animal production.

Fields of Study

The Doctoral Program in Animal Science at the Faculty of Animal Science, Universitas Andalas, covers four main study areas: animal production, reproduction, and genetic engineering; animal nutrition and feed technology; livestock product and processing technology; and livestock development and agribusiness. These fields integrate advanced science, biotechnology, and socio-economic approaches to support sustainable, innovative, and competitive livestock systems for future global challenges.

Career Prospects

Graduates of the Doctoral Program in Animal Science at the Faculty of Animal Science, Universitas Andalas, pursue careers as university professors, senior researchers, and scientific leaders. They contribute as policy advisors, consultants, and experts in government, international organizations, and agribusiness industries, driving innovation in sustainable livestock systems, food security, biotechnology, and rural development at national and global levels.

Curriculum

Click the link to view:
<https://tinyurl.com/AnimalScience-Curriculum>

COURSE STRUCTURE

Code	Course Name	Credits	Code	Course Name	Credits
Semester 1			Semester 2		
PPS 701	Philosophy of Science and Applications of Research Methods	3	PPS 703	Prelim	3
PPS 702	Scientific Writing And Research Ethics	3	PPS 711	Colloquium	2
PTK 601	Selected Topic I	3	PPS 704	Pre-Research	3
PTK 602	Selected Topic li	3			
Semester 3			Semester 4		
PPS 705	Progress Research I	3	PPS 707	Conference (National/International) I	1
PPS 706	Publication Progress I (Submitted)	1	PPS 708	Publication Progress I (Accepted /Published)	3
			PPS 709	Progress Research li	2
Semester 5			Semester 6		
PPS 710	Conference (National/International) II	1	PPS 713	Research Result Seminar	3
PPS 716	Publication Progress II (Submitted)	1	PPS 714	Publication Progress II (Accepted /Published)	3
PPS 717	Progress Research III	2	PPS 718	Closed Dissertation Examination	2
				OPEN EXAMINATION (Tentative/Optional)	0



For More Information:

Website:
www.fatema.unand.ac.id

Brochure:
<https://tinyurl.com/AnimalScience-Brochure>



Click the link below to view the entire course structure: <https://tinyurl.com/CS-AnimalScience>

Civil Engineering

Academic Degree:
Doctor in Civil
Engineering (Dr.)

Campus Location:
Limau Manis Padang

Total Credits:
42 Credits

Normal Study Period:
6 Semesters (3 Years)

The Doctoral Program in Civil Engineering aims to develop independent researchers capable of generating original and impactful contributions to civil engineering science. The program focuses on advanced research in sustainable and resilient infrastructure, disaster risk reduction, and innovative engineering solutions to address future societal and environmental challenges.

Through rigorous research training and international academic engagement, graduates are prepared to advance knowledge, support evidence-based policy, and strengthen global competitiveness in infrastructure development.

Strengths

- Nationally accredited Very Good, with continuous quality enhancement toward Excellent accreditation status
- Highly qualified faculty with nine full professors representing all major civil engineering research fields
- Strong doctoral completion performance, with graduates completing studies within 3.5 years or as fast as 2.5 years.
- Well-equipped research laboratories supporting internationally reputable and high-impact doctoral research.

Fields of Study

The program covers advanced research in structural engineering, geotechnical engineering, transportation engineering, water resources engineering, and construction management. These fields are integrated with disaster risk reduction, sustainable infrastructure development, and data-driven engineering approaches to address future challenges in resilient, smart, and environmentally responsible infrastructure systems.

Career Prospects

Graduates pursue careers as university academics, researchers, and postdoctoral fellows; policy advisors and technical experts in government agencies; senior engineers and consultants; infrastructure and project leaders; disaster risk and resilience specialists; and research-driven entrepreneurs. Career opportunities are available at national and international levels across academia, research institutions, industry, and public infrastructure organizations

Curriculum

Click the link to view:
<https://sipil.ft.unand.ac.id/index.php/prodi/prodi-s3/kurikulum>

COURSE STRUCTURE

Code	Course Name	Credits
TEK 90101	Philosophy of Science and Academic Ethics	3
TEK 90102	Research Methodology and Scientific Article Writing	3
TSI 90101	Disaster Management and Disaster Risk Reduction	3
TSI 90102	Preliminary Research / Literature Review	3
TSI 90103	Colloquium Series and Dissertation Proposal Seminar	5
TSI 90104	Research Dissemination and Progress Seminar I	5
TSI 90105	Research Dissemination and Progress Seminar II	7
TSI 90106	International Seminar in the Field of Expertise	1
TSI 90107	Research Dissemination and Progress Seminar III	7
TSI 90108	Doctoral Dissertation Examination	5



For More Information:

Website:
<https://sipil.ft.unand.ac.id/>

Brochure:
<https://sipil.ft.unand.ac.id/>



Click the link below to view the entire course structure: <https://tinyurl.com/CS-CivilEngineering>

Law

Academic Degree:
Doctor (Dr.)

Campus Location:
Jl. Pancasila No 10
Padang

Total Credits:
41 Credits

Normal Study Period:
8 Semesters (4 Years)

The Doctor of Law Program focuses on advanced legal studies integrating legal philosophy, legal theory, and legal research methodology, with particular emphasis on criminal law, constitutional law, administrative law, Adat law, and Islamic law. The program promotes critical analysis of legal pluralism, legal reform, and policy development within national and global contexts.

Strengths

- Comprehensive study of constitutional, criminal, administrative, private, Adat, and Islamic law.
- Research-oriented curriculum supporting legal reform, policy analysis, and interdisciplinary scholarship.
- Highly qualified faculty with strong national and international academic networks.
- Strong academic tradition in legal pluralism and Minangkabau Adat–Islamic legal studies.

Fields of Study

The Doctor of Law Program provides advanced legal education to develop legal scholars and policy experts with strong theoretical and methodological foundations. The program covers major legal regimes, including constitutional law, criminal law, administrative law, and private law, while emphasizing legal pluralism through the integration of state law, Adat law, and Islamic law. It addresses contemporary challenges in governance, justice reform, and social transformation, preparing graduates to contribute to future-oriented legal development and public policy at national and global levels.

Career Prospects

Graduates are prepared for careers as legal scholars, university professors, researchers, policy analysts, judges, prosecutors, senior legal practitioners, legislators, and government officials, with expertise in state law, Adat law, Islamic law, and their interaction in legal development, public policy, and international cooperation.

Curriculum

Click the link to view:
<https://fhuk.unand.ac.id/prodi/20/kurikulum.html>

COURSE STRUCTURE

Code	Course Name	Credits	Code	Course Name	Credits
Semester 1			Semester 2		
HUK 711	Philosophy of Science	2	HUK 715	Philosophy of Law	2
HUK 713	Legal Research Methodology	3	HUK 722	Development of Adat Law and Islamic Law	3
HUK 714	Dissertation Writing Methodology	2	HUK 721	Politics of Legal Development	2
HUK 712	Development of Legal Theory and Legal Science	3			
Semester 3			Semester 4		
IHK 703	Preliminary / Pre-Qualification Examination	1	HUK 723	Proposal Seminar	1
Semester 5			Semester 6		
IHK 707	Dissertation Supporting Course I	2	IHK 714	Dissertation Research Results Seminar	1
IHK 708	Dissertation Supporting Course II	2			
IHK 709	Dissertation Supporting Course III	2			
Semester 7 & 8					
IHK 718	Closed/Open Dissertation Examination				15

Click the link below to view the entire course structure: <https://tinyurl.com/CS-LawDoctorProgramme>



For More Information:

Website:
<https://fhuk.unand.ac.id/>

Brochure:
<https://fhuk.unand.ac.id/>



Biology



Academic Degree:
Doctor (Dr.)



Campus Location:
Limau Manis Padang



Total Credits:
45 Credits



Normal Study Period:
5 Semesters (2.5 years)

The Doctoral Program (S3) in Biology at Universitas Andalas focuses on advancing biological sciences through innovative, interdisciplinary, and solution-oriented research. It aims to produce independent scientists capable of addressing future challenges in biodiversity loss, climate change, ecosystem degradation, biotechnology, and sustainable resource management. The program benefits society by generating scientific innovations, policy-relevant knowledge, and advanced human resources that support environmental resilience, bio-industry development, and evidence-based decision-making at national and global levels.

Strengths

- Excellent Accreditation: Program S3 Biology holds “Unggul” national accreditation signaling top academic quality.
- Strong Research Facilities: Equipped with laboratories, Biological Research Forest, herbarium, and museum supporting advanced research.
- Qualified Faculty: Expert academics guide independent research in biodiversity, conservation, ecology, and biosystematics.
- Future-Ready Curriculum: Research-intensive, interdisciplinary training addressing environmental and biological challenges.

Fields of Study

The Doctoral Program (S3) in Biology at Universitas Andalas focuses on advanced research in tropical biodiversity, biosystematics, ecology, evolution, conservation, and environmental management. It trains scholars to generate new biological knowledge, address complex ecosystem problems, and develop sustainable solutions for biodiversity protection and environmental stewardship through independent and interdisciplinary research.

Career Prospects

Graduates with strong tropical biodiversity expertise pursue careers as professors, senior researchers, and scientific leaders in biodiversity, ecology, and conservation. They work in universities, research institutes, government agencies, NGOs, and international organizations, contributing to tropical ecosystem management, conservation policy, climate change adaptation, and sustainable use of biological resources at national and global levels.

Curriculum

Click the link to view:
<https://tinyurl.com/Curriculum-Biology>

COURSE STRUCTURE

Code	Course Name	Credits	Code	Course Name	Credits
Semester 1			Semester 2		
BIO 7111	Philosophy of Biology	3	BIO 7221	Proposal Preparation	3
BIO 7211	Special Topics I	3	BIO 7222	Proposal Seminar	1
BIO 7212	Special Topic II	3	BIO 7223	Phase I Research	5
BIO 7213	Writing Scientific Articles	3	BIO 7214	Writing Scientific Articles	3
BIO 7214	Qualifying Exam	1			
Semester 3			Semester 4		
BIO 8231	Phase I Research Report	3	BIO 8241	Phase II Research	5
BIO 8232	Phase I Research Results Seminar	1	BIO 8242	Phase II Research Report	3
			BIO 9251	Phase II Research Results Seminar	1
Semester 5					
BIO 9261	Results Seminar	1			
BIO 9262	Dissertation and Closed Examination	6			

Click the link below to view the entire course structure: <https://tinyurl.com/CS-Biology>



For More Information:

Website:
<https://biologi.fmipa.unand.ac.id/>

Brochure:
<https://tinyurl.com/Brochure-Biology>





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