



ATENEIO DE MANILA
UNIVERSITY

UNDERGRADUATE BULLETIN OF INFORMATION

Addendum SY 2024-2025



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Interdisciplinary Electives

The following Interdisciplinary Electives, approved by the Curriculum Committee effective SY 2024-2025, are offered in addition to those listed in the *Undergraduate Bulletin of Information*, 2020 Edition (version 1.0 May 2022), and the BOI Addendums from SY 2020-2021 until SY 2023-2024.

Interdisciplinary Elective Offerings

DEV 186.99i: Special Topics in Development Studies: Just Transition in Climate Resilient Development - 3 units, Prerequisite: STS 10

The course centers on just transition as an essential element of climate action, grounded on its evolution as a concept, discipline, and practice from its roots in the labor environmentalism movement to its inclusion in the UNFCCC international climate negotiations. Through broader transitions studies frameworks, the sunseting of fossil fuel-dependent and carbon-intensive systems and the building of systems necessary for a sustainable and low-carbon society across various sectors (e.g. energy, agriculture, and transport) are interrogated vis-à-vis just transition principles. Evidence-based case and policy studies, simulations, and visioning exercises are integral to the course.

ENE 13.03i (Revised): Story and Narrative in the Humanities - 3 units, Prerequisite: ENGL 11, ENLIT 12

Madaling maging tao, mahirap magpakatao. Story and Narrative in the Humanities explores what it means to be human and humane by examining narratives and critiquing ideologies. As being human transcends the mere acquisition of skills and knowledge, the course provides avenues for reflecting, discerning, and communicating how, when, and why these skills and knowledge should be applied with civility, conscience, compassion, and creativity. It highlights the reasons for being who we are and the boundless possibilities of what we can be.

ENE 13.04i (Revised): Story and Narrative in the Management - 3 units, Prerequisite: ENGL 11, ENLIT 12

Story and Narrative in Management examines how leadership and management narratives shape individuals, organizations, and society in general. It explores how leadership and management go beyond individual goals and effectively unite people and communities towards collective sustainable development and inclusive growth. The course looks into the issues, needs, and concerns of business, government, and civic organizations and other communities from an ethical and beneficial perspective. It responds to all these with the foremost assumption that narratives that are more just, inclusive, and responsive may counter dominant ideologies of leadership and management.

ENE 13.05i (Revised): Story and Narrative in Science and Engineering - 3 units, Prerequisite: ENGL 11, ENLIT 12

Story and Narrative in Science and Engineering explores narratives on issues of climate change, viable sustainability, accessible healthcare, genetic engineering, and artificial intelligence, among others. It fosters dialogue on the interdisciplinary aspects of science and technology narratives, where students can engage in academic inquiry, critical discussions, and innovative projects. The course aims to contribute to advocating the ethical, inclusive, and responsible use of science in service to the nation and the global community.

ENE 13.06i (Revised): Story and Narrative in Social Science - 3 units, Prerequisite: ENGL 11, ENLIT 12

Story and Narrative in the Social Sciences explores narrative as a way of understanding the self and structuring society. It equips students with narratological tools to critically analyze social, political, and economic realities, examine competing narratives that drive societal conflicts and discourage intercultural communication, and identify and challenge concealed and deceptive worldviews that perpetuate social inequities and injustices. By conceptualizing and producing projects that use strategies for peacebuilding in conflict representation and resolution and address silences and gaps in daily discourse, students develop into ethical, globally aware, and responsive individuals who can help facilitate collective healing and social transformation.

IDS 180.16i (Revised): Special Topics in Philippine Studies: Philippine Music and Culture - 3 units

This course is a general survey of Philippine music from the native, tribal, and ethnic beginnings to Muslim, Chinese, Spanish, Japanese, and American influences. Developments will be examined within the historical context, taking into account the multiple influences of social, cultural, political, and other relevant forces. Philippine Culture of the 21st century will also be explored through the OPM and entertainment industry. The course will examine how nationalism in music is expressed through the fusion of folk-based idioms and existing mainstream genres as musical practice of key figures in different periods in Philippine music history.

LLAW 127i: Gender Issues: A Legal Framework with a Development Perspective - 3 units

This is a survey course on Philippine laws and international agreements related to gender. Through a legal framework composed of relevant statutory laws and case law affecting gender, the course will raise the legal knowledge and awareness of students regarding gender-based discrimination and violence in the context of historical and contemporary legal issues. This course will enable students to recognize legal situations, identify legal implications, and propose legal solutions to real world gender problems by using a development perspective.

MKTG 126.03i: Social Media Marketing - 3 units

This course focuses on the understanding and harnessing social media, employing appropriate strategies, tools, and networks, as a way of helping achieve marketing and communication objectives, especially in business. The course tackles the different stakeholders, platforms, content, and success metrics in social media. The overall digital environment, ethical and legal factors and parameters, and technological developments and trends are discussed throughout the course. In partnership with different business stakeholders, students are expected to develop a social media marketing campaign by the end of the term.

MKTG 131i: Sustainability Marketing - 3 units, Prerequisite: STS 10

Applying a marketing management perspective and approach, this course employs an ecological and social orientation in creating, strengthening, and maintaining a company's sustainable relationship with its customers, society, and nature. The course employs the principles, concepts, strategies, and tools of marketing in developing a sustainable marketing plan for real-world business problems and business opportunities, through interaction with different business stakeholders.

PSYC 80.07i: Mindfulness in Education - 3 units

This course demonstrates how mindfulness is integrated in education in two areas: socio-emotional learning and teacher development. Besides knowledge, students gain the skills of self-awareness, social sensitivity and decision-making to help them thrive. In this course, students acquire an appreciation of how SEL through mindfulness is integrated in the levels of K-12, across various levels of the academic experience. Secondly, teacher self-awareness and self-care have been found to help teachers become more effective and responsive to students. This course also integrates the learning of mindfulness practices to guide future teachers to deal with stress associated with this caring profession.

PSYC 80.19i: The Science of Happiness - 3 units

The course integrates the most recent findings in the fields of Social Science and Health Science on what really makes a satisfying, meaningful, and happy life. The course examines common misconceptions about happiness and guides students in identifying behaviors and cognitive biases that thwart happiness. It also offers students evidence-based strategies that can help them cultivate authentic happiness in their personal life and community.

SEAS 105i: Dynamics of Regional Integration: EU and ASEAN - 3 units, Prerequisite: SocSc 12

The course examines the development and challenges of regional integration in the context of the European Union (EU) and the Association of Southeast Asian Nations (ASEAN). Aided by theories on regional integration and using an interdisciplinary approach, this course highlights the role of domestic actors (e.g. the state, civil society organizations), the private sector, and external forces (e.g. international organizations, international non-governmental organizations, transnational advocacy networks, etc.) in regional integration, while examining the process involved in building institutions, constructing identities, and producing shared norms. Students appreciate the use of different perspectives from politics, international relations, history, sociology, economics, and development in critiquing the processes and dynamics of regional integration in the ASEAN and the EU.

**GOKONGWEI BROTHERS
SCHOOL *of* EDUCATION
AND LEARNING DESIGN**

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CURRICULUM, PEDAGOGY AND ASSESSMENT

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GBSEALD's battle cry is BAGO ANG LAHAT, EDUKASYON. The School is committed to designing degree programs that embody the following Ten Principles of Learning, Teaching, and Formation:

1. *The heart of education.* Our education is not just about the acquisition of knowledge (recall or mastery of content), but more importantly, about understanding (through Reflection), application (through Action), and most of all, character formation.
2. *Cura personalis.* Our well-being, motivation, and emotions are critical to our learning.
3. *Meeting learners where they are.* All of us learners--no matter our background and starting point--can learn and have something valuable to contribute to the learning
4. *Magis.* We need to be stretched and challenged if we are to learn and grow. High expectations lead to high performance.
5. *A Learning Sanctuary.* We will have a safe space for learning and a community that supports and challenges us to learn to think independently and critically, where we welcome other perspectives, rehearse our ideas out loud, experiment with our practice, and receive reasonable and respectful feedback from fellow learners and mentors.
6. *Learning as Active and Interactive.* We learn best by doing and by interacting with fellow learners. Content is best not "dumped" on students, but offered in a way that encourages our learners to interact with it and to learn it with other learners.
7. *Learning as Meaning Making.* Our learning becomes meaningful when we actually interact with new ideas and concepts, unpack them, wrestle with them, connect them to others (even from other disciplines), add to them, and make them our own
8. *Assessment for Learning and for Transfer.* We learn more when our assessments are formative (when we are given constructive feedback) and authentic (when it entails application in a real-world context).
9. *Companions in the Journey.* We will build a learning community where each one is seen and feels that he or she belongs. Our learning will not be an isolated journey. We will be personally accompanied in a learning community of like-minded and supportive companions and coaches.

BACHELOR OF SCIENCE IN LEARNING SCIENCE AND DESIGN

Not all educators today teach in classrooms. Some of them are in boardrooms sharing their organization's mission and training employees to become more committed and effective stakeholders. Some of them design onboarding programs for HR, helping new hires unlock their potential and veterans break their ceilings. Some of them create apps that deliver content and encourage users to create their own. The proposed undergraduate degree program in education has been designed precisely to produce learning professionals in any field.

The proposed undergraduate program is unlike other traditional teacher undergraduate courses offered in the country. The career paths of its graduates will by no means be limited to the teaching profession in basic education or higher education. Rather, they will be equipped for alternative careers that involve instructional and learning design beyond formal education--such as online learning, professional development and training, among others. Not only will the proposed undergraduate program in education be the first offered by the university, it will also be one aimed at innovative and other possible modes of learning.

Apart from Ateneo de Manila's core curriculum, the program will include foundational courses in the Learning Sciences, Learning Technologies, and Instructional Design, as well as the requisite Professional Education Courses that will prepare our students for PRC's Licensure Exam for Teachers (LET) should they decide to pursue a career in professional teaching.

Moreover, the program will provide a deliberately multidisciplinary approach made possible by a collaboration with other departments and schools in the LS. Key faculty from selected departments have agreed to collaborate in offering courses in their respective disciplines so that students are also given a wide selection of disciplinary tracks such as Science, Math, English, Filipino, the Social Sciences, Guidance and Counseling, and Religious/Values Education, School Entrepreneurship, Human Resource Training, and Education Technologies.

Program Learning Outcomes

After completing the program, the student will be able to:

MPLO 1: Apply their grasp of theories and principles of human development, learning, and cognition to formulate strategies and interventions to advance learning effectively (Science of Learning)

MPLO 2: Use their proficiency in instructional design and draw from a wide repertoire of curricular, pedagogical, and assessment knowledge and skills to solve specific learning problems (Art of Learning)

MPLO 3: Employ emerging technologies to conceptualize and create new learning environments and experiences to enhance learning and teaching, given the contexts and especially constraints of the learner (Innovation for Learning)

MPLO 4: Draw from their understanding of contemporary culture and society (especially social and cultural perspectives on learning) to analyze issues in education, including its organizational aspects based on a desire to make a contribution to a reform that ensures inclusive and quality education (Leadership for Learning).

Graduates of the program are expected to use these competences to become effective leaders of learning by providing learning science-backed, innovatively designed and technology-powered education, regardless of their field of practice.

Given the Philippine educational context, they are, in addition, expected to contribute to solving learning problems in various contexts—including and especially the educational challenges in Philippine public basic education.

BACHELOR OF SCIENCE IN LEARNING SCIENCE AND DESIGN

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices And Encounters	3
FILI 12	Panitikan Ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics In The Modern World	3	FLC 11	Foreign Language And Culture 11	3
EDUC 132i	Educational Psychology	3	EDUC 132.2	Social And Emotional Learning	3
SocSc 11	Understanding The Self	3	HISTO 11	Rizal And The Emergence Of The Philippine Nation	3
THEO 11	Faith, Spirituality, And The Church	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PATHFit 1	Physical Activities Towards Health And Fitness 1	2	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
				TOTAL	21(0)
SECOND YEAR					
<u>Intersession</u>		<u>Units</u>			
Free Elective	Free Elective	3			
EDUC 135	Child Education And Adolescent Learning	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
EDUC 130	Principles And Methods Of Learner-Centered Teaching	3	EDUC 133	Cultures And Climates For Learning	3
HISTO 12	Readings In Philippine History	3	EDUC 103	Personal Epistemologies And Critical Thinking	3
EDUC 134	Principles Of Learning	3	EDUC 192	Education Research	3
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
ArtAp 10	Art Appreciation	3	THEO 12	Theology Of The Catholic Social Vision	3
Major Elective	Major Elective	3	STS 10	Science, Technology, And Society	3
PATHFit 3	Physical Activities Towards Health And Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20 (0)	PATHFit 4	Physical Activities Towards Health And Fitness 4	2
				TOTAL	20 (3)

THIRD YEAR**Intersession**

EDUC 140.2	Learning By Design: Ignatian Pedagogy	3
EDUC 197.1	Field Study 1: Experiencing The Learning-Teaching Process	3
	TOTAL	6(0)

First Semester**Units****Units**

PHILO 12	Philosophy Of Religion	3	IE 2	Interdisciplinary Elective 2	3
EDUC 197.2	Field Study 2: Practice Teaching	3	PHILO 13	Ethics	3
IE 1	Interdisciplinary Elective 1 - English	3	SocSc 13	The Economy, Society, And Sustainable Development	3
Major Elective	Major Elective	3	Major Elective	Major Elective	3
THEO 13	A Theology Of Marriage, Family, And Vocation	3	Major Elective	Major Elective	3
	TOTAL	15(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		15(3)

FOURTH YEAR**Intersession****Units**

EDUC 153	Creative Thinking For Educators	3
EDUC 145	Classroom Assessment	3
	TOTAL	6(0)

First Semester**Units****Units**

EDUC 140	Curriculum Development	3	EDUC 198.2	Scholarly Practice Ii	3
EDUC 154	Learning Analytics And Educational Data Mining	3	IE 3	Interdisciplinary Elective 3	3
EDUC 198.1	Scholarly Practice I	3	DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3
EDUC 151	Multimedia Design For Development And Education	3	EDUC 136	The Social Dimension Of Education: The Teacher, The School Leader, And Society	3
SocSc 14	Politics, Governance, And Citizenship	3	EDUC 152	Digital Learning Environments	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 159(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

EDUC 22 (New)

EXPLORING THE ENVIRONMENT (DATA VISUALIZATION IN CONTEXT)

0.5 units

This course tackles interconnected environmental contexts, specifically in the tropics. The course encourages students to contextualize the impacts of their actions and lifestyles while being exposed to different cultural perspectives on the environment within a common Earth. The expected output is a demonstration of their data analysis and processing skills through an infographic.

EDUC 103 (New)

PERSONAL EPISTEMOLOGIES AND CRITICAL THINKING

3 units

This course aims to provide students with an appreciation of our often-tacit beliefs about knowing and knowledge and how these underlying theories of knowledge and learning either facilitate or impede learning and critical thinking. When educators teach, they model their epistemological beliefs to students and unconsciously endorse a set of assumptions about knowing and knowledge that their students appropriate. Educators need to acquire a critical understanding of their epistemic cognition, as well as beliefs about knowing and learning since these often under-examined assumptions inform their thinking and teaching.

EDUC 130 (New)

PRINCIPLES AND METHODS OF LEARNER-CENTERED TEACHING

3 units

This course is designed to help prospective teachers explore and reflect on the process of becoming an effective teacher and be able to design and facilitate learning experiences that are anchored on fundamental principles, processes and practices of learner-centered education.

EDUC 132.2 (New)

SOCIAL AND EMOTIONAL LEARNING

3 units

This course focuses on the core social and emotional learning (SEL) competence areas which are essential to human development and learning. These areas are emotional awareness, self-management, responsible decision-making, social awareness and relationship skills. Specific skills under each competence area are discussed as well as the application of the principles of SEL in academic and formation programs.

EDUC 133 (New)

CULTURES AND CLIMATES FOR LEARNING

3 units

This course examines the forces needed to build positive learning environments in which students feel cared for and valued and in which teachers and students can build relationships of respect and trust. It explores ways of shaping a productive learning culture that facilitates active learning and successful collaboration and enables students to take responsibility for their own learning. Students discuss research and theories on effective classroom management.

EDUC 134 (New)**PRINCIPLES OF LEARNING****3 units**

This course introduces students to the Learning Sciences, an interdisciplinary field that draws primarily on psychological and social theories and other theoretical perspectives with the goal of studying how learning and teaching can be done with and without technology in both formal and informal education. Aside from acquiring a deep understanding of how the conception of learning has evolved over time, students understand how learners, teachers, peers, family members, guides, instructional materials and technology interact. By applying these learning principles, students can create innovative learning environments, improve existing ones, and assess their impact for children and adults in different settings.

EDUC 135 (New)**CHILD EDUCATION AND ADOLESCENT LEARNING****3 units**

This course examines learning and education through the lens of human development, with particular attention to the physical, cognitive and psychosocial factors that condition the possibility of learning for children and adolescents. Aside from the different concepts and theories concerning the stages of human development, it also analyzes motivation as a crucial factor in facilitating learning. The practical pedagogical implications for each developmental stage is discussed to enable students to design both engaging and effective learning environments and experiences for the Philippine context.

EDUC 136 (New)**THE SOCIAL DIMENSION OF EDUCATION: THE TEACHER, THE SCHOOL LEADER, AND SOCIETY****3 units**

This course examines how society, its social and cultural structures, shape how education (particularly, schools) is established, with particular emphasis on the underlying educational philosophies of the times. This course employs the lens of systems thinking to prepare prospective teachers to become educational leaders and school managers by discussing learning systems in local and international contexts, beginning with a discussion of the Philippine educational system, its origins, developments, and transformations. Other educational systems are similarly examined to draw insights from the successes and failures, especially in their attempts to achieve educational access and quality.

EDUC 140 (Revised)**CURRICULUM DEVELOPMENT****3 units**

This course focuses on the elements, rationale, design, and delivery of a curriculum that is aligned to the school's overall mission and explicitly aims to prepare students with the competences they need to lead a meaningful and productive life in a world in flux. Constructive alignment of school goals with curriculum, teaching, and school structures and policies is also discussed. Issues related to curriculum development for a rapidly-changing, radically-different world are explored. Students are also introduced to the design of a curriculum development cycle to ensure alignment, cohesiveness, and relevance to current contexts.

EDUC 140.2 (New)**LEARNING BY DESIGN: IGNATIAN PEDAGOGY****3 units**

This course aims to equip students with tools, processes and strategies that will lead to the design of effective, efficient and engaging learning experiences for a set of prospective learners, in a specific learning context. Students learn about the three phases of instructional design: analysis, strategy and evaluation (Smith and Ragan, 1999). For each phase, relevant research, theories and models from the learning sciences, as well as practical implications are explored, to guide their decisions as future learning designers.

EDUC 145 (Revised)

CLASSROOM ASSESSMENT

3 units

Based on a definition of learning as college, career, and life readiness, especially readiness for an uncertain future, this course looks into the critical role of a comprehensive system of assessments for, as, and of learning to achieve these learning outcomes. It focuses on the design of assessment systems that provide the impetus for teachers and the students themselves to use assessment data continuously throughout a course to guide the teaching-learning process.

EDUC 151 (New)

MULTIMEDIA DESIGN FOR DEVELOPMENT AND EDUCATION

3 units

This course equips future educators with key technological pedagogical knowledge and skills in digital content creation. Visual communications and instructional design principles are introduced as guides in the production of multimedia content for learning. Students learn how to utilize a variety of digital tools to create graphics, videos and interactive products for learning.

EDUC 152 (New)

DIGITAL LEARNING ENVIRONMENTS

3 units

In this course, students acquaint themselves with the ways in which media & technology can be used to support teaching and learning to enhance classroom instruction, and the various issues and challenges associated with its application.

EDUC 153 (New)

CREATIVE THINKING FOR EDUCATORS

3 units

This course prepares future educators to approach educational design challenges with empathy and creativity. Frameworks, theories, and research on creative thinking are introduced to encourage self-reflection on their individual creative confidence and ability. Students learn practical strategies to improve their ability to think with flexibility, fluency, originality and elaboration in engaging with wicked educational problems.

EDUC 154 (New)

LEARNING ANALYTICS AND EDUCATIONAL DATA MINING

3 units

This course is an introduction to educational data mining's principles and practices. It introduces students to the first few stages of the educational data mining process: phenomenon definition, data collection, data cleaning, feature extraction, feature engineering, and exploratory data analysis. It also introduces students to some of the tools they can use to accomplish these tasks including spreadsheet software and statistical and data mining packages.

EDUC 192 (New)

EDUCATION RESEARCH

3 units

Education Research is an introductory course in research principles and methods (quantitative and qualitative) especially tailored for the scholarly practitioner. The course explores the processes and challenges of educational research. In particular, the course guides students in carrying out action research in their own educational settings to promote a deeper understanding of their teaching practice. The end goal is to guide students toward conducting a systematic investigation of problems of practice in their own educational settings.

EDUC 197.1 (New)

FIELD STUDY 1: EXPERIENCING THE LEARNING-TEACHING PROCESS

3 units

Prerequisite: EDUC 130

This course is an immersion in real world settings to provide practical field applications and hands-on experiences. Students work in real world settings to observe, gather data, examine the connection between theoretical knowledge and practice

EDUC 197.2 (New)

FIELD STUDY 2: PRACTICE TEACHING

3 units

Prerequisite: EDUC 197.1

This course is intended for students who wish to explore and pursue teaching after college. The course provides the student with a three-fold experience. First, the student learns the guidelines and principles of teaching through lectures, readings, and discussions. Second, the student observes how the guidelines and principles of teachings are practiced in the real classroom setting as the student is paired and mentored by a cooperating teacher. Finally, the student experiences actual teaching and showcases his/her learnings of the course.

EDUC 198.1 (New)

SCHOLARLY PRACTICE I

3 units

Prerequisite: EDUC 192

Students gain hands-on experience in conducting action research through a systematic process of inquiry, experimentation, and reflection. Students are guided to conceptualize, plan, and implement the action plans that will address specific problem of practice.

EDUC 198.2 (New)

SCHOLARLY PRACTICE II

3 units

Prerequisite: EDUC 198.1

This course focuses on the analysis, interpretation, and reporting of the results of the action research plan that has been conceptualized and implemented in EDUC 198.1 Scholarly Practice I. Findings are organized, interpreted and analyzed, presented as a capstone project. Students are encouraged to write a publishable article based on the action research.

SCHOOL *of* HUMANITIES

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Taglay ang atas ng Pamantasang Ateneo de Manila na magsilbing taga-ingat at tagasulong ng kabang-yaman ng Kulturang Filipino, nang isinasaalang-alang ang pana-panahong pagbabago ng kasaysayan at lipunang sarili at pati ng sa mundo, itinatakda ng Kagawaran ng Filipino ang: propesyunal at multidisiplinaryong pagtugon sa pangangailan na iuwi at iugat sa sariling kultura ang pamantasan at lahat ng pinaglilingkuran nito hindi sa pamamagitan ng pagtatakwil sa mga kaalamang hiram kundi sa integrasyon nito sa mga kaalamang sarili. Isasagawa ito sa pakikisangkot sa malikhaing praktis, pagtuturo, at pagsasaliksik na walang humpay na pinatitining at pinalalaya ng espiritwalidad ni San Ignacio.

BATSILYER NG SINING SA PANITIKANG FILIPINO

Natatangi ang programang AB Panitikang Filipino sa pagkakaroon ng apat na larangan ng espesyalisasyon: pananaliksik, malikhaing pagsulat, pagtuturo, at pagsasalin. Gamit ang mga tradisyunal at kontemporaryong teorya sa araling pampanitikan at pangkultura, sasanayin ang mag-aaral sa pagbasa, pagsusuri at pagpapakahulugan sa mga akdang pampanitikan at mga teksto ng kulturang popular upang pagkaraan mailapat ang kanyang kasanayan sa produksiyon ng sariling teksto na may maiaambag sa alinman sa mga larangang nabanggit. Natatangi rin ang paradigma na pagtawid sa mga larangan (cross-disciplinary) sa Programang AB Direkto sa MA at Programang Minor sa Panitikang Filipino (Filipino Literature) na nagtatakda ng integrasyon ng mga kaalamang hiram sa mga kaalamang sarili. Higit sa lahat, pinatatatag at pinadadaloy ang lahat ng kaalaman sa mahusay at mabisang pagsulat.

Ang mga propesyong maaaring pasukin ng mga nagtapos sa programa ay ang pagiging guro, tagapagsaliksik, tagasalin, manunulat (sa pahayagan, radyo, telebisyon, advertising, o iba pang kaugnay na larangan), kritiko, at iba pang anyo ng pagiging manggagawang intelektwal.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
PNTKN 111	Introduksyon sa Panitikan at Pampanitikang Pag-aaral	3	PNTKN 112	Introduksyon sa Teoryang Pampanitikan	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	PNTKN 192	Pampanitikang Pananaliksik	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	THEO 11	Faith, Spirituality, and the Church	3
PATHFit 1	Physical Activities Towards Health and Fitness	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
			TOTAL		23(0)

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PNTKN 113	Introduksyon sa Teoryang Pangkultura	3	PNTKN 115	Introduksyon sa Malikhaing Pagsulat	3
PNTKN 114	Introduksyon sa Postkolonyalismo	3	PNTKN 116	Introduksyon sa Pagsasalang Filipino	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FLC 11	Foreign Language and Culture 11	3	FLC 12	Foreign Language and Culture 12	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL		20(0)
	TOTAL	20(3)			

THIRD YEAR**Intersession**

PNTKN 197.1	Praktikum 1: Praktikum Sa Akademya	3
	TOTAL	3(0)

First Semester

PNTKN 117	Introduksyon sa Panitikan at Ibang Larang	3
PNTKN Track A/B Course 1	Panitikan Track Course 1	3
PNTKN Track A/B Course 2	Panitikan Track Course 2	3
PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	21(3)

Units**Second Semester**

PNTKN 199.1	Panukalang Tesis	3
PNTKN Track A/B Course 3	Panitikan Track Course 3	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
PHILO 12	Philosophy of Religion	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)

Units**FOURTH YEAR****Intersession**

PNTKN 197.2	Praktikum 2: Praktikum Sa Labas Ng Akademya	3
	TOTAL	3(0)

Units**First Semester**

PNTKN 199.2	Pagsusulat ng Tesis	3
PNTKN Track A/B Course 4	Panitikan Track Course 4	3
PNTKN Track A/B Course 5	Panitikan Track Course 5	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)

Second Semester

PNTKN 199.3	Depensa ng Tesis	3
PNTKN Track A/B Course 6	Panitikan Track Course 6	3
PNTKN Track A/B Course 7	Panitikan Track Course 7	3
PNTKN Track A/B Course 8	Panitikan Track Course 8	3
SocSc 14	Politics, Governance, and Citizenship	3
	TOTAL	15(0)

Units

Total Number of Academic Units: 153(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

FINE ARTS

2/F George SK Ty
Learning Innovation Wing, Areté
(632) 8426-6001 loc. 5330
finearts.soh@ateneo.edu

Rooted in relevant traditions (Jesuit, Filipino, and Atenean), the Fine Arts Department is the Loyola Schools' hub for the academic study of practices in the fields of art, creative writing, design, and theater. The department's graduates are technically proficient in the crafts involved in their artistic disciplines, literate and articulate in the theories and history of their artistic disciplines, and aware and critically responsive to the relevant contexts that affect their practices.

The Fine Arts Department is committed to a contextualized program of study that is aware of the local, regional, and global forces that affect practices in the arts. It ensures that students develop the willingness to interrogate their field, their greater world, and their own selves, while also developing the willingness and ability to respond through creation and creative acts.

The Department believes that if the creative act is responsive then it is one strengthened by the rigor of research. It believes that a practice steeped in knowledge cannot help but lead to the impulse to create and perform. It views outreach and formation as not external to one's field of study, but as part of it through service learning and discipline-based formation. This is all part of the belief in forming students who are not only aware but also engaged.

BACHELOR OF ARTS IN ART MANAGEMENT

The AB Art Management program equips students with skills and training towards engaging in fields such as curatorship and exhibition design; art writing, research, and documentation; and the marketing and promotion of the arts. Content delivered within the classroom is balanced with exposure to professional standards in the art practice and industry. Through the program's linkage with the Ateneo Art Gallery and other significant local and international artistic and cultural institutions, students are provided with opportunities for involvement and immersion in the professional art, cultural, and creative industries.

Program Learning Outcomes

Using the skills and experience from the program, the ideal AB AM graduate should be able to:

1. Creatively perform his/her role as an art manager so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as art manager towards empathy among/with communities of differing beliefs, creeds, and spiritualities.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ArtAp 10	Art Appreciation	3	ARTS 110	Introduction to Studio Arts	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20(0)
	TOTAL	21(0)			

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ARTM 101.03	Art History: Classical Antiquity to 19th Century	3	ARTM 101.04	Art History: Asian Art	3
ARTM 102.03	Philippine Art: Survey of Philippine Visual Arts 1	3	ARTM 103.06	Art Management: The Art World: Sites, Spaces, and Institutions	3
ARTM 103.03	Art Management: Collections Management	3	ARTS 102	Research and the Arts	3
ARTS 120	Digital Design Studio	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2

PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL	20(0)
	TOTAL	20(3)		

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ARTM 101.05	Art History: 20th Century to Global Contemporary Art	3	ARTM 103.04	Art Management: Introduction to Curatorship	3
ARTM 102.04	Philippine Art: Survey of Philippine Visual Arts 2	3	ARTM 103.07	Art Management: Genres of Art Writing	3
ARTS 103	Art and the Community	3	ARTM 103.08	Art Management: Art and Business	3
PHILO 13	Ethics	3	ARTS ELECTIVE 1	Arts Elective 1	3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 2	Interdisciplinary Elective 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)	TOTAL		21(0)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ARTS 197	Internship and Professional Exposure	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ARTM 103.05	Art Management: Issues in Curatorial Practice	3	ARTM 103.09	Art Management: Public Programming for Culture and the Arts	3
ARTM 199.1	Art Management Thesis: Senior Project 1	3	ARTM 199.2	Art Management Thesis: Senior Project 2	3
ARTS ELECTIVE 2	Arts Elective 2	3	ARTS 104	The Creative Professional	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 153(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF FINE ARTS IN CREATIVE WRITING

The BFA Creative Writing program introduces students to the various writing genres (fiction, nonfiction, poetry, drama) and allows them to specialize in the genre of their choice. The program follows a two-pronged process: apprenticeship, where students learn from experienced writers; and the workshop, where they learn from their peers. By putting these methods alongside the academic study of literary and critical texts, the creative process, and the pertinent contexts that influence literary production, the program aims to produce writers who are competent in the craft of their chosen genre specialty while remaining aware of literature's place and influence in one's life and one's society.

Program Learning Outcomes

Using the skills and experiences from the program, the ideal BFA CW graduate should be able to:

1. Creatively perform his/her role as creative writer, so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as creative writer towards empathy among/within communities of differing beliefs, creeds, and spiritualities.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ArtAp 10	Art Appreciation	3	CRWR 101.03	Writing Fiction: Workshop 1	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20(0)
	TOTAL	21(0)			

		SECOND YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CRWR 100	Philippine Literature and Its Practice	3	CRWR 10X.04	Fiction/Nonfiction/Poetry Writing/Playwriting Workshop 2	3
CRWR 102.03	Writing Nonfiction: Workshop 1	3	CRWR 110	Development of Genre Practices	3
CRWR 103.03	Writing Poetry: Workshop 1	3	ARTS 102	Research and the Arts	3
CRWR 104.03	Playwriting: Workshop 1	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	(2)

PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL	20(0)
	TOTAL	20(3)		

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CRWR 10X.05	Fiction/Nonfiction/Poetry Writing/Playwriting Workshop 3	3	CRWR 120	Publishing	3
CRWR ELECTIVE 1	Creative Writing Elective 1	3	CRWR 170	Poetics	3
ARTS 103	Art and the Community	3	ARTS ELECTIVE 1	Arts Elective 1	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
	TOTAL	18(3)			

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ARTS 197	Internship and Professional Exposure	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CRWR 199.1	Creative Writing Thesis: Senior Project 1	3	CRWR 199.2	Creative Writing Thesis: Senior Project 2	3
CRWR ELECTIVE 2	Creative Writing Elective 2	3	CRWR ELECTIVE 3	Creative Writing Elective 3	3
ARTS ELECTIVE 2	Arts Elective 2	3	ARTS 104	The Creative Professional	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 150(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF FINE ARTS IN INFORMATION DESIGN

The BFA Information Design program roots its relevance in problem solving through engaging presentation of critical information, and striking visual communication. Students are challenged to apply learned foundational design skills and theory, in step with key graphic procedures and techniques across a variety of contexts that range from domain mastery, industry development, to social change. The program provides students opportunities to explore and evolve their artistic talents, craft, and voice in preparation for their careers as well as their personal growth.

Program Learning Outcomes

Using the skills and experiences from the program, the ideal BFA ID graduate should be able to:

1. Creatively perform his/her role as an information designer, so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as information designer towards empathy among/within communities of differing beliefs, creeds, and spiritualities.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ArtAp 10	Art Appreciation	3	ARTS 110	Introduction to Studio Arts	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
	TOTAL	21(0)			

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDES 101.03	Design Theory and History: Information Architecture	3	IDES 101.04	Design Theory and History: Visual Communication	3
IDES 101.05	Design Theory and History: History of Graphic Design	3	IDES 102.03	Design Procedures: Typography	3
IDES 101.06	Design Theory and History: Philippine Design	3	ARTS 102	Research and the Arts	3
ARTS 120	Digital Design Studio	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2

PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL	20(0)
	TOTAL	20(3)		

THIRD YEAR

<u>Interession</u>		<u>Units</u>
IDES 102.04	Design Procedures: Print and Publication Design	3
IDES ELECTIVE 1	Information Design Elective 1	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
IDES 103.03	Design Practice: Graphic Design Practice	3	IDES 102.05	Design Procedures: Web Design	3
IDES ELECTIVE 2	Information Design Elective 2	3	IDES 192	Design Research	3
ARTS 103	Art and the Community	3	ARTS ELECTIVE 1	Arts Elective 1	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
	TOTAL	18(3)			

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ARTS 197	Internship and Professional Exposure	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
IDES 199.1	Information Design Thesis: Senior Project 1	3	IDES 199.2	Information Design Thesis: Senior Project 2	3
IDES ELECTIVE 3	Information Design Elective 3	3	IDES ELECTIVE 5	Information Design Elective 5	3
IDES ELECTIVE 4	Information Design Elective 4	3	ARTS 104	The Creative Professional	3
ARTS ELECTIVE 2	Arts Elective 2	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3	TOTAL		15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 159(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF FINE ARTS IN THEATER ARTS

The BFA Theater Arts program is seen as a way to increase the number of trained men and women in theater practices, and to provide a venue for the development of theater artists who intend to apply their knowledge of the theater craft for further studies and/or for work in professional theater, film, radio, or television, or in other fields where its processes and skills are valued.

Program Learning Outcomes

Using the skills and experiences from the program, the ideal BFA TA graduate should be able to:

1. Creatively perform his/her role as a theater artist so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as theater artist towards empathy among/within communities of differing beliefs, creeds, and spiritualities.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
THTR 101	Introduction to Theater	3	THTR 110.03	Theatrical Performance: Voice, Movement, and Mime	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20(0)
	TOTAL	21(0)			

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
THTR 110.04	Theatrical Performance: Acting 1	3	THTR 130.03	Theater Design: Set Design	3
THTR 150.03	Theater Genres: Musical Theater	3	THTR 140.03	Theater Technology: Technical Theater	3
THTR 160.03	Theater History and Dramatic Literature: Survey of Theater History and Dramatic Literature	3	ARTS 102	Research and the Arts	3
ArtAp 10	Art Appreciation	3	HISTO 12	Readings in Philippine History	3
STS 10	Science, Technology, and Society	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	SocSc 12	The Contemporary World	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2		TOTAL	20(0)
	TOTAL	20(3)			

		THIRD YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
THTR 120.03	Theater Directing: Directing 1	3	THTR 145.03	Theater Management: Stage Management	3
THTR 130.04	Theater Design: Costume Design	3	THTR 160.04	Theater History and Dramatic Literature: Philippine Drama	3
ARTS 103	Art and the Community	3	THTR ELECTIVE 1	Theater Arts Elective 1	3
PHILO 13	Ethics	3	ARTS ELECTIVE 1	Arts Elective 1	3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 2	Interdisciplinary Elective 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)		TOTAL	21(0)

		<u>Units</u>
<u>Intersession</u>		
ARTS 197	Internship and Professional Exposure	3
	TOTAL	3(0)

		FOURTH YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
THTR 170	Theater Production	3	THTR 199.2	Theater Arts Thesis: Senior Project 2	3
THTR 180	Theater Theory	3	THTR ELECTIVE 2	Theater Arts Elective 2	3
THTR 199.1	Theater Arts Thesis: Senior Project 1	3	ARTS 104	The Creative Professional	3
ARTS ELECTIVE 2	Arts Elective 2	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3		TOTAL	15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 156(6)
Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

ARTM 102.05 (Revised)

PHILIPPINE ART: COLONIAL ART AND ARCHITECTURE

3 units

Prerequisite: ArtAp 10

This course introduces students to the Philippines' rich legacy of colonial art and architecture from the Spanish and American periods. It covers the environmental, social, political, cultural, and religious influences that shaped these artistic expressions, which are unique within Asia and the Hispanic realm. Students explore key works and creators, engage with critical frameworks, and discuss the ongoing relevance of colonial heritage in shaping Filipino identity.

IDES 140.04 (Revised)

VISUAL TECHNIQUES: ADVANCED PAINTING

3 units

Prerequisite: ArtAp 10, ARTS 110

This advanced painting class builds upon the basic studio class through a deeper understanding of painting as a medium and a mode of expression. The course encourages the exploration of a range of painting media to communicate complex ideas and express them purposefully. Through a nuanced understanding of the medium, process, and principles, students are drilled to enhance their current skills and become more proficient visual artists and designers.

IDES 192.53 (New)

DESIGN THINKING WORKSHOP 1

0.5 units

This workshop-based course uses a research-based, iterative and human-centered design process. In this first course in the IDES 192 series, students are challenged to apply design thinking techniques and tools in framing an inquiry, building empathy with stakeholders, and ideating for possible interventions to the identified cultural phenomenon of the class.

IDES 192.54 (New)

DESIGN THINKING WORKSHOP 2

0.5 units

Prerequisite: IDES 192.53

This workshop-based course uses a research-based, iterative and human-centered design process. In this second course in the IDES 192 series, students are challenged to apply design thinking techniques and tools in building low fidelity to high fidelity prototypes, testing, and iterating products and systems to address the identified cultural phenomenon of the class.

INTERDISCIPLINARY STUDIES

2/F Horacio de la Costa Hall
(632) 8426-6001 loc. 5340
is.soh@ateneo.edu

The Department of Interdisciplinary Studies and the Humanities Program under its wing seek to enhance the Liberal Arts component of the curriculum. It does so by offering a variety of courses in traditional arts and new forms of expression in an increasingly globalized world.

Its mission is to develop graduates who possess a holistic view of the world. Students meet this goal by taking courses in at least two disciplines (e.g., communication and business, literature and philosophy) and applying the interdisciplinary method in their courses and a final senior seminar paper. Thus, students are challenged to think outside the box, seek other ways of exploring personal and social experiences through a creative and critical engagement with an ever-changing reality.

The program prepares the students to face the demands of their chosen profession whether it is in the arts, in media, in entrepreneurship, to name a few.

BACHELOR OF ARTS IN HUMANITIES

The Bachelor of Arts major in Humanities is premised on the important role of the arts and letters in shaping the perspective of students. It posits that exposure to the great ideas and achievements in the arts over the course of human civilization enables students to navigate a complex world that is increasingly run by pragmatic interests. Lodged as it is in the Department of Interdisciplinary Studies (IS Department), the AB Humanities program is also interdisciplinary in approach. Under the revised curriculum, AB Humanities majors, with the guidance of the IS Department's Academic Adviser: take a menu of classes from two or three disciplines in the humanities of their choice, namely, Literature (whether in English or in Filipino), Philosophy, History, Languages, Music Literature, and the Fine Arts (Arts Management, Creative Writing, Information Design, and Theater Arts); take Major/Required Courses from the IS Department consisting of three Great Books classes, a class in Aesthetics, the course Introduction to Interdisciplinary Approaches, and three Interdisciplinary Studies (IDS) electives. A pair of terminal classes, Senior Seminar I and Senior Seminar II, allow Humanities seniors to integrate their two or three disciplines in an investigative-analytical paper, an applied research project, or a creative work. Moreover, under the revised curriculum, AB Hum majors must take a second Foreign Language Course (FLC 2) that should be in the same language as their Foreign Language Course (FLC) required by the Core Curriculum).

It is the mission of the Bachelor of Arts major in Humanities program to produce graduates who are: sensitive to the delicate nuances of the human condition; aware and appreciative of the record of the great human passions and ideas that have shaped and continue to shape the modern world; infused with the spirit of rigorous rational inquiry; and equipped with the intellectual maturity to form and articulate their own ideas. With the students' commitment, the program hopes to instill the ideas of intellectual tolerance, love and liberty of thought, and the belief in the essential dignity of human beings – ideals that are at the core of every attempt to change the world. The Bachelor of Arts, major in Humanities, in short, is a liberal education for genuine human liberation.

Program Learning Objectives

Apart from being able to do what the revised Ateneo Core Curriculum envisions them as doing, the graduates of the AB Humanities program should be able to:

1. demonstrate familiarity with key concepts, authors, developments, and works in two or three areas of the humanities;
2. analyze objects (whether texts, issues, phenomena) in the humanities using and integrating appropriate concepts or theories;
3. conduct research or undertake projects, either by himself or herself or with a team, using the appropriate methodologies; and
4. read texts in a foreign (i.e., not a Philippine) language apart from English.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	ArtAp 10	Art Appreciation	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 12	Foreign Language and Culture 12	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
TOTAL		21(0)			

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HUMAN 141	Introduction to Aesthetics	3	HUMAN 145/146/147	Great Books	3
HUMAN 145/146/147	Great Books	3	HUMAN ELECTIVE	Human Program Elective	3
HUMAN ELECTIVE	Human Program Elective	3	HUMAN ELECTIVE	Human Program Elective	3
HUMAN ELECTIVE	Human Program Elective	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL		20(0)
TOTAL		20(3)			

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HUMAN ELECTIVE	Human Program Elective	3	HUMAN 145/146/147	Great Books	3
HUMAN ELECTIVE	Human Program Elective	3	HUMAN ELECTIVE	Human Program Elective	3
IDS 192	Introduction to Interdisciplinary Approaches	3	IDS ELECTIVE	Required Course: IS Elective	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
TOTAL		18(3)			

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HUMAN 199.1	Senior Seminar	3	HUMAN 199.2	Senior Seminar II	3
HUMAN ELECTIVE	Human Program Elective	3	HUMAN ELECTIVE	Human Program Elective	3
HUMAN ELECTIVE	Human Program Elective	3	IDS ELECTIVE	Required Course: IS Elective	3

IDS ELECTIVE	Required Course: IS Elective	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3		TOTAL	15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 150(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES

The AB Interdisciplinary Studies program is premised on the heterogeneity of experience and is thus directed at developing the critical faculty of integration. In practice, AB Interdisciplinary Studies majors take a menu of classes from two disciplines of their choice, under the supervision of the Academic Adviser of the Department. These classes are offered by departments/programs from the four schools making up the Loyola Schools.

In addition, AB IS majors take Major/Required courses from the Interdisciplinary Studies Department, including one of the four Great Books classes, and the course Introduction to Interdisciplinary Approaches. In various ways, these classes are meeting places of perspectives or methodologies. A pair of terminal classes (Senior Seminar I and Senior Seminar II) allows students to integrate two disciplines in an investigative-analytical paper, an applied research project, or a creative work. Thus, the program combines training in the foundations of two disciplines and opportunities for interdisciplinary synthesis.

It is the mission of the Bachelor of Arts major in Interdisciplinary studies program to develop well-rounded students and lifelong learners: who are able to see beyond disciplinary lines; who are able to synthesize knowledge gained from different disciplinary perspectives; who have professional skills in disciplines of their own choosing; and who are equipped to view and respond to the world from a holistic perspective.

In emphasizing an interdisciplinary approach to the analysis of texts or of contemporary Philippine realities, the Bachelor of Arts major in Interdisciplinary Studies acknowledges that insights into the human condition and its problems – whether societal, environmental, commercial, or interpersonal; whether theoretical-philosophical or practical – can originate from various points and be made to converge productively.

Program Learning Objectives

Apart from being able to do what the revised Ateneo Core Curriculum envisions them as doing, the graduates of the AB Interdisciplinary Studies program should be able to:

1. demonstrate familiarity with key concepts, authors, developments, and works in two disciplines;
2. analyze objects (whether texts, an issue, an event, phenomenon, etc.) in Philippine reality using and integrating appropriate concepts or theories;
3. conduct research or undertake projects, either by himself or herself or with a team, using the appropriate methodologies; and
4. read texts in a foreign (i.e., not a Philippine) language apart from English.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	ArtAp 10	Art Appreciation	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 12	Foreign Language and Culture 12	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
TOTAL		21(0)			

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDS ELECTIVE	Required Course: IS Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL		20(0)
TOTAL		20(3)			

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDS 192	Introduction to Interdisciplinary Approaches	3	IDS 145/146/147	Great Books Course	3
IDS ELECTIVE	Required Course: IS Elective	3	IDS ELECTIVE	Required Course: IS Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
TOTAL		18(3)			

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDS 199.1	Senior Seminar I	3	IDS 199.2	Senior Seminar II	3
IDS ELECTIVE	Required Course: IS Elective	3	IDS ELECTIVE	Required Course: IS Elective	3

IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3		TOTAL	15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 150(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

LITERARY AND CULTURAL STUDIES

1/F Horacio de la Costa Hall
litcs.soh@ateneo.edu

The Literary and Cultural Studies Program is the leading center for the teaching, research, outreach, and internationalization of Philippine literature in English and the diaspora in the 21st century. The Program embraces the vast diversity of world literatures in English spanning various histories and cultures, promoting the study of Philippine literary traditions and emerging practices, the production of new knowledges, the development of the creative industries, and the advancement of the university's mission.

BACHELOR OF ARTS IN LITERATURE (ENGLISH)

The AB Literature Program is designed for students who seek a profound and scholarly appreciation of literature written in the English Language. They will be introduced over the course of the program to literature from across the globe in order to develop competence in the analysis of literary texts, writing of critical essays, and evaluation of different literary traditions and orientations.

Program Learning Outcomes

The AB Literature (English) program is designed to enhance the student's knowledge of literary and cultural texts written in – and translated into – English, as well as contemporary theory and methods to interpret and appreciate the same.

While in the program, the student will:

- (1) be introduced to literature, in major and emerging forms, from all over the globe;
- (2) develop competence in the analysis of literary and cultural texts; and
- (3) evaluate different literary and cultural traditions, forms, orientations, from the perspective of various theoretical and methodological persuasions

Specialization A (Literary and Cultural Studies) focuses on scholarship on literary and cultural texts, while *Specialization B (Literature Across the Professions)* focuses on the intersection between literature and various disciplinary contexts and professional settings. Specialization A students will typically find employment in academia; prospects include, but are not limited to: teaching, research, further studies, and academic publishing. Specialization B students will typically find employment in non-academic contexts; prospects include law, entrepreneurship, commercial publishing, media, government, cultural heritage, advertising, among others.

BACHELOR OF ARTS IN LITERATURE (ENGLISH) (Specialization in Literary and Cultural Studies)

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
ENLIT-LCS 21	Introduction to Literary and Cultural Studies	3	ENLIT-LCS 22	Introduction to Literature Across the Professions	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
TOTAL		21(0)			

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT-LCS 31	Literatures of the Western World I: Europe	3	ENLIT-LCS 32	Literatures of the Western World II: North America	3
ENLIT-LCS 41	Literary and Cultural Theory I	3	ENLIT-LCS 42	Literary and Cultural Theory II	3
ENLIT-LCS 50	Advanced Rhetoric	3	ENLIT-LCS 60	Introduction to Translation	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FLC 12	Foreign Language and Culture 12	3	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
NSTP 11	National Service Training Program 11	(3)	TOTAL		20(0)
PATHFit 3	Physical Activities Towards Health and Fitness 3	2			
	TOTAL	23(3)			

THIRD YEAR

<u>Interession</u>		<u>Units</u>
ENLIT-LCS 197.1	Practicum I	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT-LCS 71	Literatures of the Philippines I: Region and Nation	3	ENLIT-LCS 72	Literatures of the Philippines II: Literary and Cultural Studies	3
ENLIT-LCS 91	World Literatures I: Genealogies and Translations across Europe and North America	3	ENLIT-LCS 92	World Literatures II: Theories and Transnationalities across Latin America, Asia, and Africa	3
ENLIT-LCS 192.30	Methods in Literary and Cultural Research and Practices	3	ENLIT-LCS 199.1	Research Methods in Literary and Cultural Studies	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SPEC ELECTIVE 1	Specialization Elective 1	3	SPEC ELECTIVE 2	Specialization Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
	TOTAL	18(3)			

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ENLIT-LCS 197.2	Practicum II	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT-LCS 81	Postcolonial Literatures I: Africa and the Middle East	3	ENLIT-LCS 82	Postcolonial Literatures II: Asia and Latin America	3
ENLIT-LCS 180	Special Topics in Literature and the Humanities	3	ENLIT-LCS 199.3	Independent Research in Literary and Cultural Studies II	3
ENLIT-LCS 199.2	Independent Research in Literary and Cultural Studies I	3	SPEC ELECTIVE 4	Specialization Elective 4	3
SPEC ELECTIVE 3	Specialization Elective 3	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
IE 1	Interdisciplinary Elective 1 – English	3	FREE ELECTIVE	Free Elective	3

IE 2	Interdisciplinary Elective 2	3	TOTAL	18(0)
	TOTAL	21(0)		

Total Number of Academic Units: 165(6)

Curriculum Effective Freshman Batch SY 2020 – 2021

BACHELOR OF ARTS IN LITERATURE (ENGLISH) **(Specialization in Literature Across the Professions)**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
ENLIT-LCS 21	Introduction to Literary and Cultural Studies	3	ENLIT-LCS 22	Introduction to Literature Across the Professions	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
	TOTAL	21(0)			

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT-LCS 31	Literatures of the Western World I: Europe	3	ENLIT-LCS 32	Literatures of the Western World II: North America	3
ENLIT-LCS 41	Literary and Cultural Theory I	3	ENLIT-LCS 42	Literary and Cultural Theory II	3
ENLIT-LCS 50	Advanced Rhetoric	3	ENLIT-LCS 60	Introduction to Translation	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FLC 12	Foreign Language and Culture 12	3	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
NSTP 11	National Service Training Program 11	(3)	TOTAL		20(0)
PATHFit 3	Physical Activities Towards Health and Fitness 3	2			
	TOTAL	23(3)			

THIRD YEAR

<u>Interession</u>		<u>Units</u>
ENLIT-LCS 197.1	Practicum I	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT-LCS 91	World Literatures I: Genealogies and Translations across Europe and North America	3	ENLIT-LCS 72	Literatures of the Philippines II: Literary and Cultural Studies	3
ENLIT-LCS 152	Literature and the Social Sciences	3	ENLIT-LCS 92	World Literatures II: Theories and Transnationalities across Latin America, Asia, and Africa	3
ENLIT-LCS 192.30	Methods in Literary and Cultural Research and Practices	3	ENLIT-LCS 199.4	Research Methods in Literature across the Professions	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SPEC ELECTIVE 1	Specialization Elective 1	3	SPEC ELECTIVE 2	Specialization Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
	TOTAL	18(3)			

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ENLIT-LCS 197.2	Practicum II	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT-LCS 81	Postcolonial Literatures I: Africa and the Middle East	3	ENLIT-LCS 82	Postcolonial Literatures II: Asia and Latin America	3
ENLIT-LCS 180	Special Topics in Literature and the Humanities	3	ENLIT-LCS 199.6	Independent Research in Literature Across the Professions II	3
ENLIT-LCS 199.5	Independent Research in Literature Across the Professions II	3	SPEC ELECTIVE 4	Specialization Elective 4	3
SPEC ELECTIVE 3	Specialization Elective 3	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
IE 1	Interdisciplinary Elective 1 – English	3	FREE ELECTIVE	Free Elective	3
IE 2	Interdisciplinary Elective 2	3	TOTAL		18(0)
	TOTAL	21(0)			

Total Number of Academic Units: 165(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

MINOR IN LITERATURE (ENGLISH)

Eligibility Requirement

The program is open to all Loyola Schools undergraduate students who are at least in Second Year and have no grade lower than C in ENGL 11 and ENLIT 12.

Admission Requirements

1. ENGL 11 and ENLIT 12 (no grade lower than C)
2. At least a sophomore
3. Letter of intent addressed to the Director of the Literary and Cultural Studies Program (cc: Program Coordinator)

4. Interview with the Director

Minimum Grade Requirement

No grade lower than C in the 12 units of Literature subjects that comprise the Minor

Program Curriculum

Required Courses (9 units; choose one from each set)

Set 1

ENLIT-LCS 31 Literatures of the Western World I: Europe

ENLIT-LCS 32 Literatures of the Western World II: North America

Set 2

ENLIT-LCS 81 Postcolonial Literatures I: Africa and the Middle East

ENLIT-LCS 82 Postcolonial Literatures II: Asia and Latin America

ENLIT-LCS 91 World Literatures I: Genealogies and Translations Across Europe and North America

ENLIT-LCS 92 World Literatures II: Theories and Transnationalities Across Latin America, Asia, and Africa

Set 3

ENLIT-LCS 71 Literatures of the Philippines I: Region and Nation

ENLIT-LCS 72 Literatures of the Philippines II: Literary and Cultural Studies

Any Literature elective of choice (3 units)

Total Number of Units for the Minor: 12 units

MODERN LANGUAGES

2/F Horacio de la Costa Hall
(632) 8426-6001 loc. 5350
modernlanguages.soh@ateneo.edu

The Department of Modern Languages provides the students with the necessary basic and intermediate skills for oral and written communication in Spanish, French, German, Italian, Portuguese, Russian, Bahasa Indonesia, and Korean and acquaints them with the country's history, art and culture as well as to understand and appreciate their own. Its objective is to provide the basic listening, speaking, reading and writing skills to enable students to function in practical situations.

The Department of Modern Languages seeks to be a leading center in Asia for foreign language learning in a rapidly, constantly changing world; and in so being, our students become capable of asserting themselves in the global and local sense. The Department also seeks to form Christian leaders with communication skills to interact and excel in a social, business or professional environment deeply rooted in Philippine culture yet knowledgeable of foreign cultures and affairs through partnerships with other sectors within and outside the Ateneo.

COURSE OFFERINGS

FRE 13.10 (New)

INTERMEDIATE FRENCH 1 A

1 unit

Prerequisite: FRE 12

This course strengthens the language skills and knowledge acquired in the previous level and continues to the first phase of the lower intermediate level in French that is aligned with the A2. 1.1 proficiency level of the Common European Framework of Reference of Languages (CEFR). The communicative content of the course includes speaking of the future, explaining a decision, expressing frequency, describing lodging and accommodation, indicating an itinerary, making comparisons, and justifying choices. Topics on the arts, mainstream culture and social phenomena are integrated into class discussions.

FRE 13.20 (New)

INTERMEDIATE FRENCH 1 B

1 unit

Prerequisite: FRE 13.10

This course is the continuation of the lower intermediate level that is aligned with the A2.1.2 proficiency level of the Common European Framework of Reference of Languages (CEFR) in French while solidifying the language skills and knowledge acquired therein. The communicative content of the course includes describing situations in the past, commenting on past events, narrating changes, expressing one's tastes, discussing problems, giving solutions, stating one's opinion and providing advice. Discussions on work, the arts, the environment and social phenomena form part of the course.

FRE 14.10 (New)

INTERMEDIATE FRENCH 2 A

1 unit

Prerequisite: FRE 13.20

This course reinforces the language skills and knowledge acquired in the lower intermediate level and continues to the first phase of the upper intermediate level in French that is aligned with the A2.2.1 proficiency level of the Common European Framework of Reference of Languages (CEFR). The communicative content of the course includes giving advice, stating opinions, expressing certainties, indicating wishes, making descriptions, and organizing one's discourse. Topics on society, the arts and the corporate world are touched upon in discussions.

FRE 14.20 (New)

INTERMEDIATE FRENCH 2 B

1 unit

Prerequisite: FRE 14.10

This course is the continuation of the upper intermediate level in French that is aligned with the A2.2.2 proficiency level of the Common European Framework of Reference of Languages (CEFR) while honing and building further on the language skills and knowledge acquired therein. The communicative content includes giving advice, stating opinions, expressing certainties, indicating wishes, making descriptions, and organizing one's discourse. There are likewise discussions on technology, the arts, work, tourism and mainstream culture.

PHILOSOPHY

2/F Horacio de la Costa Hall
(632) 8426-6001 loc. 5360
philosophy.soh@ateneo.edu

The Philosophy Department seeks to be the department of first choice for philosophy graduate students in the Philippines and a top-tier philosophy department in the ASEAN region.

As part of an educational institution, dedicated to the values of truth, justice, critical thinking, and service to the wider community, mission of the Department is to bring philosophical discourse into the public sphere, that is to say, to cultivate reflective thinking, critical inquiry, and truthful dialogue as our contribution to nation-building and global citizenship.

The Department endeavors to help improve the quality of philosophy teaching in the country; contribute to the development of an academic philosophical culture in the country; make significant scholarly contributions; and, form students who are able to bring their capacity for critical thinking and the values of ethical discourse to their own lives, to various fields of professional engagements, and to the socio-political sphere.

BACHELOR OF ARTS IN PHILOSOPHY

The AB Philosophy Program seeks to foster in students an understanding of philosophy as the exercise of rational thought addressing perennial questions bearing on human beings, which blends together both a critical and interrogative perspective with an openness to a plurality of living traditions of thought.

Program Learning Outcomes

The AB Philosophy Program aims to enable its students to:

- a) creatively construct arguments and rational justifications in support of their opinions, judgements and actions;
- b) manifest openness and capacity to engage with culturally and historically diverse intellectual traditions, both Western and non-Western;
- c) bring a rigorously critical mode of thinking to bear on a wide array of philosophical schools of thought, and on historical and contemporary responses to philosophical problems;
- d) be capable of entering into dialogue with others, with interlocutors with whom one shares the world if not necessarily the same perspective or tradition; and
- e) be capable, with intellectual humility, of bringing these skills and capacities – rational argumentation, critical thinking, engagement with diversity, and commitment to dialogue – to bear in philosophical research.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	PHILO 21	Logic	3
NatSc 10.01	Natural Science, Lecture	3	PHILO 50	Ancient Western Philosophy	3
NatSc 10.02	Natural Science, Laboratory	1	MATH 10	Mathematics in the Modern World	3
PHILO 20	Introduction to Philosophy	3	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
	TOTAL	21(0)		TOTAL	23(0)

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHILO 11	Philosophy: The Human Condition	3	PHILO 23	Metaphysics	3
PHILO 22	Aesthetics	3	PHILO 30	Philosophy of Science	3
PHILO 43 (IE 4)	Filipino Philosophy	3	PHILO 40	Indian Philosophy	3
PHILO 51	Medieval Western Philosophy	3	PHILO 52	Modern Western Philosophy	3
ArtAp 10	Art Appreciation	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	SocSc 12	The Contemporary World	3
FLC 12	Foreign Language and Culture 12	3	STS 10	Science, Technology, and Society	3

NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2		TOTAL	23(0)
	TOTAL	23(3)			

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
PHILO 24	Epistemology	3	PHILO 42	Contemporary Asian Philosophy	3
PHILO 41	Chinese Philosophy	3	PHILO 199.1	Methods of Research 1: Thesis Proposal	2
PHILO 53	Contemporary Western Philosophy	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 2	Interdisciplinary Elective 2	3
IE 1	Interdisciplinary Elective 1 – English	3	FREE ELECTIVE	Free Elective	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	17(0)
	TOTAL	18(3)			

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHILO 25	Political Philosophy	3	PHILO 126	Special Questions in Ethics	3
PHILO 31	Philosophy of Language	3	PHILO 190	Seminar on Contemporary Philosophy	3
PHILO 60	Comparative Philosophy (East-West)	3	PHILO 199.2	Methods of Research 2: Thesis Defense	2
PHILO 127	Special Questions in Philosophy	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
PHILO 196	Comprehensive Oral Exams	2	IE 3	Interdisciplinary Elective 3	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	TOTAL	17(0)		TOTAL	17(0)

Total Number of Academic Units: 159(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

PHILO 24.1 (New)

EPISTEMOLOGY FOR SCIENCE AND ENGINEERING

0.5 unit

This is an inquiry into what knowing is, its conditions and principles and modes of justification, and the social dimension of knowledge. The course applies these epistemological questions asking questions on the engineering profession through complex thinking and reflection.

PHYSICAL EDUCATION

2/F Old Communication Building
(632) 8426-6001 loc. 5017
pe.ls@ateneo.edu

The Physical Education Program contributes to the total formation of Ateneans through various course offerings per semester. These accommodate a wide range of students' interests and abilities – from the more traditional games like basketball, tennis, badminton, and soccer to the more exceptional sports and health exercises such as yoga, tai-chi, wu-shu, fencing, taekwondo, judo, arnis, muay thai, dance-sports, tap dancing, swimming and snorkeling or skin diving.

Jesuit Education adheres to holistic development and character formation of the students. The P.E. Program specifically focuses on the physical development aspect and allows students to play, interact and even compete in a friendly environment. Physical components like speed, agility, power, strength, balance, coordination, reaction time, flexibility, and endurance are developed through the various physical activities offered.

The Program not only develops the physical well-being of the students, but also instructs them in the rules, discipline, and ethics important in fair play, which will serve them well in other areas of their college life and future professions.

The P.E. Program also administers the recreational facilities and equipment of the Loyola Schools for the indoor and outdoor use by students, faculty, and staff.

COURSE OFFERINGS

PEPC 10 (New)

FUNDAMENTAL MOVEMENT FOR HEALTH AND FITNESS

2 units

This PATHFIT 1 course introduces the fundamentals of movement competency through a set of routines by means of body weight exercise program. The prescribed and selected routines from simple to complex sets of movements are practiced gradually which engage major muscle groups to develop health and fitness.

PEPC 11.03 (New)

PHYSICAL FITNESS

2 units

Prerequisite: PATHFit 1

This PATHFit 2 course provides students with practical knowledge on the significant parameters of physical fitness and how the foundational movements of exercises are able to improve the fitness level and functionality of an individual. It aims to strengthen the foundation of health and fitness for students to apply in their daily living. It also aims to correct certain fitness practices prevalent in the fitness culture.

PEPC 11.04 (New)

FITNESS WALKING

2 units

Prerequisite: PATHFit 1

This PATHFit 2 course aims to introduce students to anatomical/scientific concepts related to walking as a lifelong activity. The course consists of interactive lectures on the effect of aerobic activity, walking biomechanics, gait correction, and Metabolic Output (METs). On the practical side, activities are designed for students who want an outdoor activity that has a submaximal health component on cardiovascular endurance, flexibility, and muscular strength. Fitness walking provides efficacy and impact on health enhancement.

PEPC 11.05 (New)

FUNCTIONAL TRAINING

2 units

Prerequisite: PATHFit 1

This PATHFIT 2 course is on functional training, a type of floor exercise that mimics movements made in daily life. It builds athletic performance, promotes injury prevention, and enhances other everyday fitness tasks. It improves basic movements the human body can perform: Pull, Push, Squat, Lunge, Hinge, Twist and Gait. Functional training is an accessible type of exercise requiring either no equipment at all or simple at-home/compact tools such as kettlebells, dowels, and resistance bands. By definition, functional training refers to a well-rounded program integrating exercises, which contribute to better, more efficient and safer performance of day-to-day activities or sports specific movements (Baechle & Earle, 2004).

PEPC 11.06 (New)

CIRCUIT TRAINING

2 units

Prerequisite: PATHFit 1

This PATHFIT 2 course introduces students to the concept of engaging in circuit training as a means to achieve fitness. It includes short lectures on the health related components of fitness and methods of the circuit training program as well as practical activities involving sequential performance of selected routine and exercises at individual stations. The course provides a well- rounded fitness program that helps improve body composition, muscular strength and endurance, and aerobic fitness. It also develops an interest and proficiency in movement skills that are essential to lifelong participation in physical activities.

PEPC 11.13 (New)

DANCE FUNDAMENTALS AND RHYTHMIC ACTIVITIES

2 units

Prerequisite: PATHFit 1

This PATHFIT 2 course introduces students to the fundamentals of movement as they are applied to dance and rhythmic activities. Students study rhythms/time signatures that represent various genres and explore the partnership between the nature of music and texture of movement. This foundation enables them to express through physical performance and learn to develop their physical and mental skills through creative body movements.

PEPC 11.14 (New)

AEROBICS

2 units

Prerequisite: PATHFit 1

This PATHFIT 2 course is designed to introduce students to a variety of aerobic activities, promoting physical fitness and wellness. Students learn about fitness concepts and how a healthy lifestyle impacts their health, fitness and performance. The course emphasizes vigorous, oxygenated exercise that engages core stability and improves cardiovascular health. Students also develop basic choreography, music selection, and group management skill.

PEPC 11.15 (New)

YOGA

2 units

Prerequisite: PATHFit 1

This PATHFIT 2 course is an introduction to the history and philosophy of Yoga and the practice of selected Yoga poses and routines. Students learn the integral system of poses and movements that explore the potentials of body, breath and mind through a series of selected postures, sequences and coordinated routines.

PEPC 11.23 (New)

FUNDAMENTALS OF SELF-DEFENSE

2 units

Prerequisite: PATHFit 1

This PATHFit 2 course covers all aspects of self-defense, from self-defense theories, vulnerable targets of the human anatomy, to the ranges of fighting: from striking and kicking range, to grabbing and tackling range. In the first phase, students learn how to strike, punch, and kick and other offensive techniques. In the second phase, students learn how to block attacks and escape from grabs. In the last phase, the students learn how to combine and apply all the lessons learned against "armed and unarmed" attackers in self-defense situations.

PEPC 11.24 (New)

TAI CHI - SHIBASHI

2 units

Prerequisite: PATHFit 1

This PATHFit 2 course introduces the basics of 13-movement Tai Chi and Shibashi routines. These are healing and martial arts that blend sequential movements with energy circulation, breathing, and stretching. The movements are based on Taoist yin and yang philosophy.

PEPC 11.25 (New)

POWERBOXING

2 units

Prerequisite: PATHFit 1

This PATHFIT 2 course on powerboxing involves real boxing training, without the dangers of sparring. The lessons include basic punches, defenses such as bobbing and weaving, and footwork. Strength and conditioning exercises are also included. Aside from the PE uniform requirement, no other equipment is needed in the class, as the bulk of the training focuses on shadowboxing.

PEPC 11.30 (New)

FOUNDATIONAL MOVEMENT AND EXERCISE FOR GAMES AND SPORTS

2 units

Prerequisite: PATHFit 1

This PATHFit 2 course builds fundamental abilities, strengthens motor skills, and includes exercise-focused activities that form the foundation for specialized skills in games and sports. It enhances foundational movement skills before advancing to more complex aspects of sports. The course also addresses the mental aspects of movement and fitness, emphasizing key concepts and principles essential for motor learning and overall performance, promoting lifelong health and wellness.

PEPC 15.26 (New)

BASIC SURVIVAL SWIMMING

2 units

Prerequisite: PATHFit 1

This PATHFit 3/4 course is designed for the beginning swimmer who can move in shallow water but has little skill in swimming and breathe holding in shallow, deep water and underwater. It is an entry level course to teach basic swimming strokes and deep water skills to the non-swimmer to enable him/her to swim safely in deep water.

JOHN GOKONGWEI
SCHOOL of
MANAGEMENT

Dr. Roberto Martin N. Galang
Dean

BACHELOR OF SCIENCE IN MANAGEMENT

The BS Management program is the largest program of the Ateneo de Manila University. The program is devoted to developing the next generation of high-impact entrepreneurs by giving students not just the theoretical frameworks but also the practical business experience that will maximize the potential of their business' success. This is done by creating a curriculum that highly focuses on the entrepreneurial and experiential courses that will expose students to every functional area of business that is needed for one to create his/her own business enterprise.

Program Learning Outcomes

The Management Program will abide by the program outcomes stated in CHED CMO 18, Series of 2017.

As a member of the John Gokongwei School of Management, the Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Management Program has the following additional Program outcomes.

Based on the Policies, Standards, and Guidelines of the BS Entrepreneurship program, the program outcomes of BS Management are as follows (within 2 to 5 years):

1. Graduates should be able to set up a business
2. Manage and operate a business
3. Assume managerial position in the field Business Development, Corporate Planning, and other related positions in the corporate or public organizations or non-government organizations

<u>First Semester</u>		FIRST YEAR		<u>Units</u>	
		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LAS 50	Entrepreneurial Mindset	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 10	Mathematics in the Modern World	3	MATH 30.14	Applied Calculus for Business and Economics II	3
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)

TOTAL	20(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
			TOTAL	21(0)

SECOND YEAR

Interession

		<u>Units</u>
IT ELECTIVE	IT Elective	3
HISTO 12	Readings in Philippine History	3
	TOTAL	6(0)

First Semester

		<u>Units</u>
ACCT 115	Financial Accounting	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3
LLAW 111	Business Law and Taxation	3
ArtAp 10	Art Appreciation	3
PHILO 11	Philosophy: The Human Condition	3
IE 1	Interdisciplinary Elective 1 – English	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2
	TOTAL	20(0)

Second Semester

		<u>Units</u>
ACCT 122	Cost Accounting	3
DECSC 25	Creative Thinking and Innovation Management	3
LAS 111	Strategic Human Resource Management	3
STATISTICS ELECTIVE	Statistics Elective	3
SocSc 12	The Contemporary World	3
STS 10	Science, Technology, and Society	3
THEO 12	Theology of the Catholic Social Vision	3
NSTP 11	National Service Training Program 11	(3)
PATHFit 4	Physical Activities Towards Health and Fitness 4	2
	TOTAL	23(3)

THIRD YEAR

Interession

		<u>Units</u>
FLC 11	Foreign Language and Culture 11	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	6(0)

First Semester

		<u>Units</u>
FINN 117	Entrepreneurial Finance	3
MKTG 192.03	Marketing Research	3
OPMAN 120	Production and Operations Management	3
PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	18(3)

Second Semester

		<u>Units</u>
LAS 120	Strategic Management	3
LAS 140	Sustainability and Social Responsibility	3
MKTG 111.03	Entrepreneurial Marketing	3
MKTG 145	Entrep Series 1: Product Development and Market Analysis	5
PHILO 13	Ethics	3
	TOTAL	17(0)

FOURTH YEAR

Interession

		<u>Units</u>
ECON 110	Principles of Economics	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 121	Entrep Series 2: Business Plan Development	3	LAS 122	Entrep Series 3: Business Plan Implementation	5
LAS 123	International Business and Trade	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
LLAW 116	Labor Law and Social Legislation	3	MAJOR ELECTIVE	Major Elective	3
MAJOR ELECTIVE	Major Elective	3	MAJOR ELECTIVE	Major Elective	3
MAJOR ELECTIVE	Major Elective	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	20(0)

Total Number of Academic Units: 175(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN MANAGEMENT (HONORS PROGRAM)

The Management Honors Program is an honors program that combines the Ateneo's traditional strength in the liberal arts with a strong foundation in business management and the decision sciences to create a curriculum that prepares students to meet the challenges of leading modern, information and technology-intensive organizations. Courses cover all the functional areas of business and management, with a special focus on Entrepreneurship.

The program also allows students to take electives to gain further knowledge and skill in topics of personal interest. Management Honors students must hurdle rigorous academic standards in order to complete the program. Student performance is evaluated semester-per-semester basis to determine compliance with strict retention requirements. The program produces highly motivated graduates who are holistic in their world view, highly analytical in their decision making, and prepared to assume leadership roles in the workplace.

Program Learning Outcomes

As a Center of Excellence for Entrepreneurship, the Management Honors Program will abide by the program outcomes stated in pages 3-4 of the CHED CMO 18, Series of 2017.

As a member of the John Gokongwei School of Management, the Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Management Program has the following additional Program outcomes.

Based on the Policies, Standards, and Guidelines of the BS Entrepreneurship program, the program outcomes of BS Management are as follows (within 2 to 5 years):

1. Graduates should be able to set up a business
2. Manage and operate a business
3. Assume managerial position in the field Business Development, Corporate Planning, and other related positions in the corporate or public organizations or non-government organizations

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LAS 50	Entrepreneurial Mindset	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 10	Mathematics in the Modern World	3	MATH 30.14	Applied Calculus for Business and Economics II	3
NatSc 10.01	Natural Science, Lecture	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
TOTAL		21(0)	TOTAL		23(0)

SECOND YEAR

<u>Interession</u>		<u>Units</u>
ITMGT 25	Information Technology Application Programming	3
MANAGEMENT ELECTIVE	Management Elective	3
TOTAL		6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	ACCT 122	Cost Accounting	3
LLAW 111	Business Law and Taxation	3	LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3
DECSC 25	Creative Thinking and Innovation Management	3	LAS 111	Strategic Human Resource Management	3
ArtAp 10	Art Appreciation	3	STATISTICS ELECTIVE	Statistics Elective	3
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	STS 10	Science, Technology, and Society	3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
TOTAL		23(0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
			TOTAL		23(2)

THIRD YEAR

<u>Interession</u>		<u>Units</u>
ECON 110	Principles of Economics	3
MANAGEMENT ELECTIVE	Management Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
FINN 117	Entrepreneurial Finance	3	LAS 120 Strategic Management	3
MKTG 192.03	Marketing Research	3	MKTG 111.03 Entrepreneurial Marketing	3
OPMAN 120	Production and Operations Management	3	MKTG 145 Entrep Series 1: Product Development and Market Analysis	5
PHILO 12	Philosophy of Religion	3	PHILO 13 Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	SocSc 14 Politics, Governance, and Citizenship	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 2 Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL	20(0)
	TOTAL	18(3)		

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
LAS 197.20	Work Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
FINN 150	Advanced Corporate Finance	3	LAS 122 Entrep Series 3: Business Plan Implementation	5
LAS 121	Entrep Series 2: Business Plan Development	3	LAS 123 International Business and Trade	3
LAS 130	Leadership in the 21st Century	3	MKTG 125 International Marketing	3
LAS 140	Sustainability and Social Responsibility	3	LEAD/BUSETH ELECTIVE Leadership and Business Ethics Elective	3
LLAW 116	Labor Law and Social Legislation	3	DLQ 10 Discerning Life Questions: Towards Leadership and Commitment	3
MANAGEMENT ELECTIVE	Management Elective	3	FREE ELECTIVE Free Elective	3
IE 3	Interdisciplinary Elective 3	3	TOTAL	20(0)
	TOTAL	21(0)		

Total Number of Academic Units: 184(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN MANAGEMENT ENGINEERING

The Management Engineering, or M.E., program of the John Gokongwei School of Management is one of the most prestigious undergraduate degree programs of the Ateneo de Manila.

This honor's program combines the Ateneo's traditional strength in the liberal arts with a strong foundation in business management and the decision science to create a curriculum that prepares students to meet the challenges of leading modern information and technology intensive organizations. The business course covers all the functional areas of business and management, with special focus on technology, decision science and analytics, systems thinking and the scientific approach to problem solving and decision making.

This combination of a liberal arts course and a business management course aims to produce graduates who have a holistic and global view, are capable of data-driven and analytical decision making and are prepared to assume leadership roles in the workplace.

Program Learning Outcomes

As a Center of Excellence for Business Administration, the Management Engineering Program will abide by the program outcomes stated in pages 6-7 of the CHED CMO 17, Series of 2017.

A graduate of the Management Engineering program should be able to...

1. Develop a global perspective for use in nation building
2. Use interdisciplinary, analytical, and sustainable approaches to solving business problems
3. Use interdisciplinary, analytical, and sustainable approaches in creating innovative business models
4. Develop technical proficiency in their areas of business concentration or major
 - a. Assess management functions of an organization in an actual or simulated environment
 - b. Make use of a systems thinking approach in analyzing and understanding business problems
 - c. Formulate solutions to business problems using various quantitative techniques
 - d. Adopt a data driven approach with the help of information technology for effective managerial decision making
 - e. Apply soft skills related to working effectively in groups to achieve desired goals
5. Show an understanding of how to exercise personal moral and ethical standards
6. Demonstrate an understanding of transformative service leadership principles

		FIRST YEAR		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11 Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12 Panitikan ng Pilipinas	3
LAS 21	Principles of Management	3	DECSC 22/23 Introduction to Decision Making and Management Science / Introduction to Decision Making and Decision Science	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 31.1 Mathematical Analysis 1A	3

MATH 10	Mathematics in the Modern World	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	THEO 11	Faith, Spirituality, and the Church	3
	TOTAL	20(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
			PATHFit 2	Physical Activities Towards Health and Fitness	2
			TOTAL		24(0)

SECOND YEAR

Interession

ITMGT 25	Information Technology Application Programming	3
ArtAp 10	Art Appreciation	3
	TOTAL	6(0)

Units

First Semester

ACCT 115	Financial Accounting	3
LLAW 113	Obligations and Contracts	3
MATH 31.3	Mathematical Analysis II	3
HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3
STS 10	Science, Technology, and Society	3
THEO 12	Theology of the Catholic Social Vision	3
NSTP 11	National Service Training Program 11	(3)
PATHFit 3	Physical Activities Towards Health and Fitness 3	2
	TOTAL	23(3)

Units Second Semester

ACCT 125	Managerial Accounting	3
ECON 110	Principles of Economics	3
LLAW 115	Law on Taxation	3
MATH 70.1	Numerical Methods for Science and Engineering	3
PHILO 11	Philosophy: The Human Condition	3
FLC 11	Foreign Language and Culture 11	3
IE 1	Interdisciplinary Elective 1 – English	3
PATHFit 4	Physical Activities Towards Health and Fitness 4	2
	TOTAL	23(0)

THIRD YEAR

Interession

DECSC 25	Creative Thinking and Innovation Management	3
MATH 61.2	Elementary Probability Theory	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	9(0)

Units

First Semester

ECON 121	Development Economics	3
FINN 115	Financial Management	3
QUANT 121	Applied Statistical Modelling	3
QUANT 162	Intermediate Operations Research	3
PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
	TOTAL	18(0)

Units Second Semester

LAS 111	Strategic Human Resource Management	3
MKTG 111	Marketing Management	3
QUANT 163	Advanced Operations Research	3
ANALYTICS ELECTIVE	Analytics Elective	3
PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	18(3)

		FOURTH YEAR			
<u>Interession</u>		<u>Units</u>			
LAS 123	International Business and Trade			3	
QUANT 192	Research Methods and Business Modelling Techniques			3	
IE 3	Interdisciplinary Elective 3			3	
TOTAL				9(0)	
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 120	Strategic Management	3	LAS 197.10	Work Practicum	6
LAS 140	Sustainability and Social Responsibility	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
OPMAN 125	Intermediate Production and Operations Management	3	FREE ELECTIVE	Free Elective	3
QUANT 164	Operations Research Modelling Application	3	TOTAL		12(0)
QUANT 199	Thesis/Feasibility Study	3			
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3			
SocSc 14	Politics, Governance, and Citizenship	3			
TOTAL		21(0)			

Total Number of Academic Units: 183(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN MANAGEMENT OF APPLIED CHEMISTRY

BS Management of Applied Chemistry, or MAC, is the first academic program of its kind in the Philippines. It is a combination of two unlikely partners: Management and Chemistry. Launched in 1995, it is designed to develop managers and entrepreneurs for chemistry-based industries: business people with a strong technical background and working familiarity with the chemical processes used in manufacturing operations.

This 4-year program draws together courses from the disciplines of Management and Chemistry to create a science-based entrepreneurship program with a strong hands-on and project orientation. Chemistry is taught from a more applied perspective, and the accompanying laboratory work will focus on more practical approaches.

The Industrial Chemistry course, designed specifically for students enrolled in this program, will expose MAC majors to basic manufacturing processes and operations of chemistry-based industrial concerns, using a combination of lectures and plant visits. Students are also given hands-on experience in the production of a wide range of simple chem-based products, such as paints, essential oils, and food flavorings.

The centerpiece of the program is a sequence of courses that requires students to use market research to identify unfilled product niches in the market, go to the laboratory to design the product that will fill this niche, and then create and execute a business plan to launch and market this new product.

Students who would like to start up their own small-scale manufacturing ventures or work in businesses dealing with chemistry-based products such as pharmaceuticals, processed foods, rubber, personal care products and plastics will benefit from the training provided by this program.

Program Learning Outcomes

As a member of the John Gokongwei School of Management, the Management of Applied Chemistry Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Management of Applied Chemistry Program has the following additional Program outcomes.

A graduate of the Management Applied Chemistry program should be able to...

1. Analyze and identify an unfilled product need in the market
2. Apply knowledge of Chemistry, its foundations and applications in product development
3. Apply knowledge of Management, its tools and applications in business development and management
4. Have an understanding and knowledge of the processes, concerns and challenges of a business entity.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 21.11	General Chemistry I, Lecture	3	CHEM 33.51	Applied Quantitative Analysis, Lecture	3
CHEM 21.12	General Chemistry I, Laboratory	2	CHEM 33.52	Applied Quantitative Analysis, Laboratory	2
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I	3
SocSc 11	Understanding the Self	3	MATH 30.14	Applied Calculus for Business and Economics II	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
	TOTAL	22(0)		TOTAL	22(0)

		SECOND YEAR	
<u>Intersession</u>		<u>Units</u>	
DECSO 25	Creative Thinking and Innovation Management	3	

ITMGT 20	Basic Information Technology Applications in Business	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	ACCT 125	Managerial Accounting	3
CHEM 45.51	Applied Organic Chemistry I, Lecture	3	CHEM 46.5	Applied Organic Chemistry II, Lecture	3
CHEM 45.52	Applied Organic Chemistry I, Laboratory	2	LLAW 116	Labor Law and Social Legislation	3
LLAW 113	Obligations and Contracts	3	QUANT 30	Applied Statistics: Tools and Applications	3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	22(0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
			TOTAL		23(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
CHEM 81.51	Industrial Chemical Reactions and Processes, Lecture	3
CHEM 81.52	Industrial Chemical Reactions and Processes, Laboratory	2
	TOTAL	5(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FINN 117	Entrepreneurial Finance	3	CHEM 34.50	Applied Instrumental Analysis, Lecture	3
CHEM 73.51	Applied Physical Chemistry I, Lecture	3	CHEM 74.50	Applied Physical Chemistry II, Lecture	3
CHEM 73.52	Applied Physical Chemistry I, Laboratory	2	MKTG 111.04	Entrepreneurial Marketing (MAC)	3
OPMAN 120	Production and Operations Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
IE 1	Interdisciplinary Elective 1 – English	3	NSTP 12	National Service Training Program 12	(3)
	TOTAL	20(0)	TOTAL		18(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
ECON 110	Principles of Economics	3
MKTG 143.02	Business Venture 2 (LAB - MAC)	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 111	Strategic Human Resource Management	3	LAS 140	Sustainability and Social Responsibility	3
LAS 120	Strategic Management	3	MKTG 145.01	Start-Up Operations 1 (Lecture-MAC)	3
MKTG 144.01	Business Development 1 (Lecture-MAC)	3	MKTG 145.02	Start-Up Operations 2 (Lab-MAC)	3
MKTG 144.02	Business Development 2 (Lab-MAC)	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3

SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	18(0)

Total Number of Academic Units: 183(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN COMMUNICATIONS TECHNOLOGY MANAGEMENT

B.S. Communications Technology Management Program is a 4-year degree program of the John Gokongwei School of Management. The program started in the mid 1990's with graduates now working in the marketing, communications, media, advertising and information technology industries.

The program focuses on the management expertise of the Management Program while injecting subjects in communications and information technology to develop a more holistic manager for the industry. CTM graduates should be able to creatively communicate ideas, rooted from management and communications theory with the use of current technology tools. In the end, the students who graduate with a BS Comtech degree are managers that understand both the management and the creative processes of the industry.

Program Learning Outcomes

As a member of the John Gokongwei School of Management, the Communications Technology Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Communications Technology Management Program has the following additional Program outcomes.

A graduate of the Communications Technology Management program should be able to:

1. Apply knowledge in the area of Communications, its foundations and applications
2. Apply knowledge in the area of Information Technology, its tools and applications
3. Apply knowledge in the area of Management, its tools and applications
4. Synthesize their learning from Communications, Information Technology and Management and their applications for enterprises
5. Understand the various means of creatively communicating an idea, product or service with the use of various technological tools while managing the entire process from ideation to implementation

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	DECSC 25	Creative Thinking and Innovation Management	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 30.13	Applied Calculus for Business and Economics I	3
SocSc 11	Understanding the Self	3	MATH 30.14	Applied Calculus For Business and Economics II	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.01	Natural Science, Lecture	3
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
				TOTAL	21(0)

SECOND YEAR

<u>Interession</u>		<u>Units</u>			
ITMGT 20	Basic Information Technology Applications in Business	3			
STS 10	Science, Technology, and Society	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	COMM 26	Information Society	3
COMM 20.03	Introduction to Communication and Communication Theory	3	CSCI 130	Introduction to Multimedia Systems	3
MSYS 25	Introduction to Information Technology	5	LLAW 113	Obligations and Contracts	3
ArtAp 10	Art Appreciation	3	QUANT 30	Applied Statistics: Tools and Applications	3
HISTO 12	Readings in Philippine History	3	FLC 11	Foreign Language and Culture 11	3
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	THEO 12	Theology of the Catholic Social Vision	3
	TOTAL	22(0)	NSTP 11	National Service Training Program 11	(3)
			PATHFit 4	Physical Activities Towards Health and Fitness 4	2
				TOTAL	23(3)

THIRD YEAR

<u>Interession</u>		<u>Units</u>			
ECON 110	Principles of Economics	3			
IE 1	Interdisciplinary Elective 1 – English	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
COMM 27	Visual Thinking for Communication Managers	3	COMM 47	Audio and Video Production Techniques	3
FINN 115	Financial Management	3	MKTG 113	Marketing Communications	3
LLAW 116	Labor Law and Social Legislation	3	OPMAN 120	Production and Operations Management	3
MKTG 111	Marketing Management	3	PHILO 13	Ethics	3

PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
				TOTAL	18(3)

FOURTH YEAR

<u>Interession</u>		<u>Units</u>	
LAS 197.20	Work Practicum	3	
	TOTAL	3(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
LAS 111	Strategic Human Resource Management	3	LAS 140	Sustainability and Social Responsibility	3
LAS 120	Strategic Management	3	MKTG 198	Integrative Project	3
MKTG 126	Digital Marketing	3	CTM ELECTIVE	COMTECH Elective	3
CTM ELECTIVE	COMTECH Elective	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL	TOTAL	18(0)

Total Number of Academic Units: 173(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN LEGAL MANAGEMENT

The Legal Management Program is an interdisciplinary approach to the study of business, management, law and society. It provides knowledge and skills in the components of law and the legal intricacies of the business environment. The purpose of this multifaceted program is to develop the study of law within a business-management framework and to explore the myriad ways in which law is connected with other management disciplines pertinent to an understanding of contemporary business and society.

The BS LM program therefore aims to develop managers of the twenty-first century who have working knowledge of law, business and society from a perspective of corporate leadership and good governance with due regard to the rights and welfare of all stakeholders.

Program Learning Outcomes

The Legal Management will abide by the program outcomes stated in Section 6 (Program Outcomes pages 5-6 of the new CHED PSG for Legal Management).

As a member of the John Gokongwei School of Management, the Legal Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LLAW 192	Legal Research	3	LLAW 113	Obligations and Contracts	3
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I	3
NatSc 10.01	Natural Science, Lecture	3	MATH 30.14	Applied Calculus for Business and Economics II	3
NatSc 10.02	Natural Science, Laboratory	1	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
	TOTAL	21(0)		TOTAL	23(0)

		<u>Units</u>
<u>Interession</u>		
IT ELECTIVE	IT Elective	3
STATISTICS ELECTIVE	Statistics Elective	3
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	9(0)

		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	ACCT 125	Managerial Accounting	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3	DECSC 25	Creative Thinking and Innovation Management	3
LLAW 114	Law on Business Organizations	3	LAS 111	Strategic Human Resource Management	3
ArtAp 10	Art Appreciation	3	LLAW 114.03	Business Protection Law	3
HISTO 12	Readings in Philippine History	3	THEO 12	Theology of the Catholic Social Vision	3
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
FLC 11	Foreign Language and Culture 11	3	STS 10	Science, Technology, and Society	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	23(0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
				TOTAL	23(3)

THIRD YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FINN 113	Principles of Finance	3	ECON 110	Principles of Economics	3
LLAW 113.03	Law on Business Transaction	3	LLAW 116	Labor Law and Social Legislation	3
LLAW 115	Law on Taxation	3	OPMAN 120	Production and Operations Management	3
MKTG 111	Marketing Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

FOURTH YEAR					
<u>Intersession</u>		<u>Units</u>			
LAS 197.20	Work Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 120	Strategic Management	3	LAS 140	Sustainability and Social Responsibility	3
LLAW 113.04	Retail Trade Laws and Consumer Act	3	LLAW 199	Legal Management Thesis	3
LLAW 115.04	Law on Business and Transfer Taxation	3	MGT ELECTIVE	Management Elective	3
LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3	MGT ELECTIVE	Management Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 174(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY ENTREPRENEURSHIP

The B.S. Information Technology Entrepreneurship program is designed to create a structured and vibrant environment for young, aspiring entrepreneurs who are bold enough to set up their own information technology company. The program has a strong enough information technology base to enable students to appreciate what is possible with current technology and to come up and develop working prototypes of new product ideas. It also has an overlay of business courses that will give students an appreciation of the challenges of business, and an eye to spot market opportunities, so that the products they come up with are not just technically feasible, but economically feasible and commercially viable as well. Integrated into the program is a set of entrepreneurship courses that will guide the students as they turn their business plans into businesses with going concerns.

Program Learning Outcomes

The IT Entrepreneurship Program will abide by the program outcomes stated in pages 3-5 of the CHED CMO 18, Series of 2017.

As a member of the John Gokongwei School of Management, the IT Entrepreneurship Program also has the following level outcomes:

- JGSOM 1. Develop a global perspective for use in nation building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models.
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Show an understanding of how to exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate an understanding of transformative service leadership principles

Over and above these program outcomes, the IT Entrepreneurship Program has the following Program outcomes.

A graduate of the IT Entrepreneurship program should be able to...

1. Create a business plan or business model for an IT venture
2. Identify and use the appropriate IT programming technologies and/or platforms to develop an IT venture
3. Develop and launch an IT venture
4. Identify the importance and need for intellectual property for technology based business proposals
5. Develop the necessary leadership skills used in managing an IT venture
6. Apply hard and soft skills related to working effectively in groups or teams to achieve desired goods

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	LAS 50	Entrepreneurial Mindset	3
NatSc 10.01	Natural Science, Lecture	3	MATH 21	University Pre-Calculus	3
NatSc 10.02	Natural Science, Laboratory	1	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
SocSc 11	Understanding the Self	3	FLC 11	Foreign Language and Culture	3
THEO 11	Faith, Spirituality, and the Church	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
TOTAL		21(0)			

SECOND YEAR		
<u>Intersession</u>		<u>Units</u>
QUANT 30	Applied Statistics: Tools and Applications	3
ArtAp 10	Art Appreciation	3
TOTAL		6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ITMGT 45	The Digital Economy	3	ACCT 115	Financial Accounting	3

LLAW 111	Business Law and Taxation	3	CSCI 21	Introduction to Programming I	3
MATH 30.13	Applied Calculus for Business and Economics I	3	ECON 110	Principles of Economics	3
HISTO 12	Readings In Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
STS 10	Science, Technology, and Society	3	IE 1	Interdisciplinary Elective 1 – English	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20(0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
			TOTAL		20(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
CSCI 22	Introduction to Programming II	3
DECSC 25	Creative Thinking and Innovation Management	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3
	TOTAL	9(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ACCT 122	Cost Accounting	3	FINN 117	Entrepreneurial Finance	3
ITENT 120	User Experience Design	3	ITENT 156	Technology Venture Laboratory	3
ITENT 155	Technology Venture Planning	3	MKTG 111	Marketing Management	3
PROGRAMMING ELECTIVE	Programming Elective	3	OPMAN 146	Service Management	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
IE 2	Interdisciplinary Elective 2	3
ITENT 157	Technology Venture Start-Up I	3
LAS 111	Strategic Human Resource Management	3
	TOTAL	9(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ITENT 158	Technology Venture Start-Up II	5	ITENT 198.1	Technology Venture Implementation I	5
LAS 120	Strategic Management	3	LAS 123	International Business and Trade	3
LAS 140	Sustainability and Social Responsibility	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
LLAW 116	Labor Law and Social Legislation	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
MARKETING ELECTIVE	Marketing Elective	3	IE 3	Interdisciplinary Elective 3	3

SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	TOTAL	20(0)		TOTAL	20(0)

Total Number of Academic Units: 181(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN RESTAURANT ENTREPRENEURSHIP

The Bachelor of Science in Restaurant Entrepreneurship is an innovative program that combines the excellence of the John Gokongwei School of Management in business management and entrepreneurship education as well as Le Cordon Bleu's expertise in the culinary and food & beverage service industry, in the tradition of Ateneo's liberal arts core curriculum.

The program aims to develop graduates who are equipped with the necessary skill sets to eventually become restaurateurs. As budding entrepreneurs, they will be exposed to all facets of the restaurant business from conceptualization to daily operations. In order to help students develop their entrepreneurial mindset, they will be exposed to market research and restaurant conceptualization theories in class as well as real world applications through opportunities to shadow successful restaurateurs during their internships.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LAS 21.33	Management Concepts in the Hospitality Industry	2	LAS 50	Entrepreneurial Mindset	3
LAS 51.30	The Hospitality Experience	2	LAS 51.33	Wine Fundamentals	2
LAS 114.30	Business Communications in the Hospitality Industry	2	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
MATH 10	Mathematics in the Modern World	3	NatSc 10.01	Natural Science, Lecture	3
SocSc 11	Understanding the Self	3	NatSc 10.02	Natural Science, Laboratory	1
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
	TOTAL	23(0)		TOTAL	23(0)

		SECOND YEAR	
<u>Intersession</u>		<u>Units</u>	
DECSC 25	Creative Thinking and Innovation Management	3	
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3	
IT ELECTIVE	IT Elective	3	
	TOTAL	9(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 21.30	Restaurant Concepts and Management	3	ACCT 111	Accounting for Restaurant Entrepreneurs	3
LAS 51.34	Food and Wine Philosophy	3	LLAW 126	Hospitality Business Law	3
OPMAN 122	Kitchen Operations Management (Lab)	2	STATISTICS ELECTIVE	Statistics Elective	3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	22(0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
			TOTAL		23(3)

THIRD YEAR

<u>Interession</u>		<u>Units</u>
LAS 197.33	Work Practicum	1.5
	TOTAL	1.5(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
OPMAN 123	Culinary Practice (Lab)	2	ECON 110	Principles of Economics	3
OPMAN 159.03	Food Quality Management	3	FINN 117.30	Entrepreneurial Finance	3
OPMAN 172.03	Food and Beverage Service (Lab)	2	MKTG 111.30	Intermediate Marketing	3
OPMAN 172.04	Food and Beverage Management	2	MKTG 145	Entrep Series 1: Product Development and Market Analysis	5
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 3	Interdisciplinary Elective 3	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	TOTAL		20(0)
NSTP 12	National Service Training Program 12	(3)			
	TOTAL	18(3)			

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
LAS 197.34	Work Practicum	1.5
	TOTAL	1.5(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 50.30	Entrepreneurship and Business Management	3	LAS 30.30	Leadership and Management in Action	3
LAS 111.30	Strategic Human Resources Management in the Hospitality Industry	3	LAS 122.30	Business Plan Implementation in the Hospitality Industry	3
LAS 120.30	Strategic Management in the Hospitality Industry	3	LAS 140	Sustainability and Social Responsibility	3
LAS 123	International Business and Trade	3	LAS 150.30	Decision Making for Managers	3
MKTG 179.30	Advanced Marketing	3	OPMAN 151	Quality Service Management	3
MAJOR ELECTIVE	Major Elective	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	TOTAL	21(0)	TOTAL		21(0)

Total Number of Academic Units: 183(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

FINANCE AND ACCOUNTING

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The Department of Finance and Accounting aims to produce graduates with sufficient theoretical and practical tools, who are ethical and global in outlook in the area of Accounting and Finance. The Department envisions knowledge of accounting and finance coexisting with the environment and society. It envisions students who understand these functions in the social context and use the knowledge for the improvement of the country.

The Department seeks to provide and develop accounting and finance education which will contribute to the advancement of society. Its objective in accounting education is to develop in students the skills in budgeting, product and service costing, control and performance evaluation, and strategic cost management, and who will become value added members of the management team, responsible for creating information vital for enhancing operational excellence. Its objective in finance education is to develop skills in corporate finance such as debt financing, equity financing, and essentials of investments.

COURSE OFFERINGS

FAA 101 (Revised)

FINANCIAL ACCOUNTING

3 units

This course offers a foundational exploration of financial accounting principles where students learn to analyze, interpret, and record financial transactions essential for business operations. Emphasis is on understanding the role of accounting in generating financial statements and aiding decision-making processes. Through practical exercises and case studies, students develop skills in financial statement analysis and gain insights into ethical considerations in accounting practices.

FAA 101.10 (Revised)

FINANCIAL ACCOUNTING FOR DECISION MAKERS

3 units

This course provides an in-depth exploration of accounting principles with emphasis on how financial statements and financial information can improve the quality of managerial decision making. Students take a deep dive into financial statement analysis, budgeting, and performance evaluation techniques tailored to organizational decision contexts. Case studies are utilized to foster critical thinking skills and develop the ability to assess financial implications, analyze cost structures, and communicate recommendations effectively. By mastering these skills, students gain the confidence to navigate complex financial landscapes and make informed decisions crucial for organizational success in dynamic business environments while bearing in mind ethical considerations.

FAA 102 (Revised)

COST ACCOUNTING AND PRODUCT PRICING

3 units

Prerequisite: FAA 101, 101.10, 101.20 or 101.30

This course covers the basic principles in cost accounting and product pricing and how they relate with each other. It highlights the role of cost accounting measures in leading towards product pricing policies which ensure that businesses remain competitive through strategic and ethical decision making. Topics include cost-volume-profit (CVP) analysis, activity-based costing, flexible budgeting, and product pricing decisions.

FAA 106 (New)

PROJECT RESOURCE MANAGEMENT

3 units

This course introduces the fundamentals of project resource management. In particular, it discusses the various issues that may arise throughout the life cycle of a project and how these issues should be handled. Since projects naturally need to consume resources, these resources need to be identified, planned for, allocated for, funded, controlled, and recorded. Thus, the course combines various topics in marketing, accounting and finance that can help in project resource management.

FAA 111.10 (Revised)

FINANCIAL MANAGEMENT FOR DECISION MAKERS

3 units

Prerequisite: FAA 101, 101.10, 101.20 or 101.30

This course offers a practical exploration of financial concepts tailored to managerial roles by providing essential tools for effective and ethical financial decision-making. Key topics include financial statement analysis and forecasting, time value of money, risk and return, capital budgeting, and capital structure policy, and working capital management. Through case studies and group projects, students develop the financial acumen needed in interpreting financial data, assessing financial performance, valuation, and allocation of resources.

FAA 121 (Revised)

INVESTMENT MANAGEMENT: DERIVATIVES, ALTERNATIVE INVESTMENTS AND ETHICS

3 units

Prerequisite: FAA 111, 111.10, 111.20 or 111.30

This course introduces the various investment instruments available in the market beyond equity and fixed income securities, while also focusing on how these instruments work, and their relevance to the financial industry. Topics include derivatives, real estate, real assets, private capital, hedge funds, commodities, and digital assets. The course also highlights the significance of upholding ethical and professional standards in the investment profession.

LEADERSHIP AND STRATEGY

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The Department of Leadership and Strategy (LAS) assumes the integrative role in JGSOM's programs, participating in the school's pursuit of leadership in business education. The department welcomes the JGSOM students through their management introductory courses, such as Principles of Management, Entrepreneurial Mindset and Philippine Business Environment: Policies and Programs in Enterprise Development. Towards the end of their programs, JGSOM students take culminating courses with LAS such as Strategic Management, Leadership and Business Ethics, CSR and Sustainability and Enterprise Development capstone program. Elective offerings are in the area of general management, entrepreneurship, human resource management, international business, strategy, leadership, sustainability management, business ethics, family business management and social entrepreneurship.

The Leadership and Strategy Department, through its course development, and faculty involvement and commitment, seeks to contribute to JGSOM's goal of molding Ateneo management students to become principle-centered leaders and entrepreneurs who nurture a people-oriented culture and who take on a strategic global perspective rooted in the ASEAN and Philippine context.

COURSE OFFERINGS

LAS 20.74 (New)

MISSION TO DISCOVER COMPANIES

1 unit

Prerequisite: LAS 50.74

This foundation course engages learners in discussions on frameworks, models, approaches, cases and tools that is used to analyze the economic environment and the business strategies that influences business decision-making.

LAS 43.74 (Revised)

LEADING WITH IMPACT AND BUSINESS BEYOND BORDERS

2 units

This senior-level course culminates the management experience – coaching learners to think beyond borders and lead with impact, with emphasis on quality, safety, and environmental (QSE) management systems, corporate social responsibility, and international standards for accounting and labor law. It is designed to prepare learners with the essential skills to implement QSE management systems into organizations. Students gain a deep understanding of the various approaches to corporate social responsibility and sustainability and their potential impact. Additionally, the course delves into the legal framework of the business environment, and emphasize the significance of accounting and financial reporting in international business.

LAS 50.74 (New)

THE ENTREPRENEURIAL QUEST

1 unit

This foundation course is an interactive, learner-centered series of experiences designed for engineers to welcome them to the world of entrepreneurship, and its nexus with team development. While the traditional perspective of entrepreneurship is that it is genetically based, the course is deliberately crafted to be transformational, holistic and interdisciplinary as it does not only cover the management aspects but also the behavioral aspects of entrepreneurship, equipping the learners with the mindset necessary and on how to build and manage high-performing teams.

LAS 112.74 (New)

INNOVATIVE MINDS AT WORK

1 unit

Prerequisite: LAS 20.74

This interactive course introduces learners to the power of innovation, motivation, design thinking, creative problem-solving and collaborative design in business and engineering environments. Learners are encouraged to think outside the box and work in teams to apply these concepts into real-world product development and team development challenges.

LAS 120.74 (New)

UNEARTHING NEW BUSINESS VALUE

2 units

Prerequisite: OPMAN 132

This management course explores the intersection of business strategy, profiles and communication, and quality and productivity with the goal of unearthing new value. Through problem-based learning techniques and discourses, learners are equipped with the methods, strategies and behavior to improve skills in strategic thinking, effective communication, team dynamics, and lean manufacturing to drive quality outcomes.

QUANTITATIVE METHODS AND INFORMATION TECHNOLOGY

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The Quantitative Methods and Information Technology (QMIT) Department prepares future managers to be aware and to be prepared in utilizing technology to continuously improve business processes and make informed business decisions. To achieve this,

The QMIT Department houses two sub-units. The 'Quantitative Methods' unit helps prepare students with their future careers as managers by equipping them with essential quantitative tools and methods. The courses under this unit focus on applied quantitative courses such as business statistics, quantitative research methods, production/operations management and operations research. These courses aim to prepare management students to be comfortable in using quantitative methods as part of their business decision making processes.

The 'Information Technology' unit helps propel the students with the necessary skills to be comfortable in the domain of Information Technology. The array of courses includes business software applications, basic computer programming, IT Fundamentals, business process re-engineering, and information engineering. These courses train students to effectively use computers and information technology to their business advantage.

COURSE OFFERINGS

OPMAN 100 (New)

INTRODUCTION TO INDUSTRIAL PRODUCTION

2 units

Prerequisite: LAS 112.74

This course provides an overview of the various aspects of industrial production, including quality system elements, cost estimation, technical data analysis, and production processes. It looks into quality control tools throughout the different phases of a product's lifecycle as well as the maintenance processes and associated indicators. Additionally, the course covers topics such as occupational health and safety, legal issues in the industrial sector, as well as corporate social responsibility and sustainability.

OPMAN 132 (New)

PROCESS MANAGEMENT AND INNOVATION

2 units

Prerequisite: OPMAN 100

This course provides an understanding of supply chain management, business process management, and innovation in product/service design. It looks into the critical components of supply chain management and its impact on overall business strategy. Emphasis is on the identification of a company's competitive advantage, taking into account market expectations throughout the innovation process, from ideation to market launch.

QUANT 193 (New)

GUIDED STUDY IN QUANTITATIVE METHODS

3 units

Prerequisite: QUANT 30, QUANT 33, QUANT 34 or QUANT 121

This course focuses on advancing students' quantitative research skills. Participants develop their previously initiated research papers, aim for publication in an academic journal, and refine their manuscripts through guided study and mentorship to meet publication standards and gain practical experience in academic publishing.

**SCHOOL of
SCIENCE AND
ENGINEERING**

Dr. Raphael A. Guerrero

Dean

BIOLOGY

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The Department of Biology envisions itself as the premier provider of excellent education and research in biomedical sciences, biotechnology, ecology and systematics, microbiology, molecular biology, and bio-education, applying a holistic, rigorous and innovative approach to the biological sciences. Its alumni become prime movers and leaders in medicine, research, industry, and the academe, working toward nation-building from a Filipino, Catholic, and Jesuit perspective.

The Department of Biology commits itself to excellence and leadership in undergraduate and graduate programs in the fields of biodiversity, biomedicine, microbiology, molecular biology, and bio-education. It is guided by a dynamic and relevant curriculum that incorporates the strengths of Ateneo tradition and the challenges of the future. As an innovative center of learning, teaching, and research in the life sciences, it is dedicated to serving the University, the country, and all of humanity for the greater glory of God.

BACHELOR OF SCIENCE IN BIOLOGY

BS Biology is a four-year undergraduate honors program that provides a rigorous approach to the biological sciences. Only students belonging to the top 15 percentile rank of those who passed the Ateneo College Entrance Test are admitted to the program. Its curriculum, consisting of essential biological disciplines and over 50 options for majors' electives, provides excellent preparation for medical schools, as well as for graduate studies in institutions here and abroad. Majors choose from among four areas of Specialization, namely: Biomedical Science, Cell and Molecular Biology, Ecology and Systematics, and Microbiology. The majors are given rigorous training through innovative teaching strategies that are complemented by laboratory courses and training through the undergraduate Thesis and Practicum. Majors choose eight electives within their chosen area, ultimately leading to a formal Specialization in that area upon graduation.

The BS Biology program provides comprehensive preparation for further education in biology and related fields, including medical studies. Since 1971, the B.S. Biology program has belonged to the top pre-medical programs in the University, graduating (as of May 2018) 1,369 individuals, a significant majority of whom went on to pursue medical studies. Most, if not all of our medically inclined graduates have enrolled in top medical schools in the country and even abroad. Graduate research programs are another option for our majors. The BS Biology program has produced outstanding researchers, practitioners, and educators in medicine, biodiversity and conservation, microbiology, and molecular biology. Others have used their rigorous training, discipline, and analytical skills in diverse fields such as law, consultancy, and business.

Program Learning Outcomes

The dynamic nature of the BS Biology program, rooted in the Ateneo tradition, Filipino culture, and cognizant of the challenges of the future, is fit to produce BS Biology graduates who are proficient in the basic principles of Biology and all its disciplines. He/she recognizes the impact of science and respects its limitations. Due to their outstanding professional training, they can navigate through the complex relationship of science and society with confidence.

When confronted with scientific problems, the graduates of the BS Biology program are equipped with the ability to design methods and protocols that utilize scientific reasoning. Making use of appropriate techniques and practices, they are capable of creative solutions. Our graduates routinely employ statistics and mathematical concepts to analyze data, uphold its integrity, and contribute to the advancement of knowledge in the scientific world.

Our BS Biology graduates are well-aware of their ethical responsibility in their chosen fields. As the Philippines becomes more and more situated in the global community, they are at the forefront of medicine, research, industry, and the academe. Capable of both leadership and teamwork, they are at par with other professionals regardless of discipline and culture.

The ideal BS Biology graduates can effectively communicate, both orally and in writing, the information, ideas, problems, and solutions to varied audiences. Their commitment to life-long learning and sharing knowledge imbues in them a spirit of active participation in scientific fora and discussions. The rigorous training in the sciences instills perseverance and resilience, pushing our graduates to overcome challenges, both personal and professional.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices And Encounters	3
BIO 100.01	General Zoology, Lecture	3	FLC 11	Foreign Language And Culture 11	3
BIO 100.02	General Zoology, Laboratory	2	BIO 110.01	General Botany, Lecture	3
BIO 31.02	Biostatistics, Laboratory	1	BIO 110.02	General Botany, Laboratory	2
BIO 31.01	Biostatistics, Lecture	2	CHEM 31.21	Introduction To Analytical Chemistry For Biologists, Lecture	2
MATH 10	Mathematics In The Modern World	3	CHEM 31.22	Introduction To Analytical Chemistry For Biologists, Laboratory	1
THEO 11	Faith, Spirituality, And The Church	3	SocSc 11	Understanding The Self	3
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	HISTO 11	Rizal And The Emergence Of The Philippine Nation	3
PATHFit 1	Physical Activities Towards Health And Fitness 1	2	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
	TOTAL	19(0)	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
			TOTAL		22(0)

		SECOND YEAR	
<u>Interession</u>		<u>Units</u>	
BIO 120.01	Microbiology, Lecture	3	
BIO 120.02	Microbiology, Laboratory	2	
SocSc 12	The Contemporary World	3	
	TOTAL	8(0)	

		SECOND YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
BIO 130.01	Genetics, Lecture	3	BIO 150.01	General Ecology, Lecture	3
BIO 130.02	Genetics, Laboratory	2	BIO 150.02	General Ecology, Laboratory	2
CHEM 41.21	Introduction to Organic Chemistry for Biologists, Lecture	2	CHEM 51.21	Biochemistry for Biologists, Lecture	3
CHEM 41.22	Introduction to Organic Chemistry for Biologists, Laboratory	1	CHEM 51.22	Biochemistry for Biologists, Laboratory	2
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	NSTP 11	National Service Training Program 11	(3)
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
	TOTAL	22(0)	TOTAL		21(3)

		THIRD YEAR	
<u>Interession</u>		<u>Units</u>	
BIO 160.01	Evolutionary Biology, Lecture	3	
BIO 160.02	Evolutionary Biology, Laboratory	2	
ArtAp 10	Art Appreciation	3	
	TOTAL	8(0)	

		THIRD YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 30.01	Biophysics, Lecture	2	BIO 170.01	Developmental Biology, Lecture	3

BIO 30.02	Biophysics, Laboratory	2	BIO 170.02	Developmental Biology, Laboratory	2
BIO 140.01	Cell and Molecular Biology, Lecture	3	BIO 171.01	General Physiology, Lecture	3
BIO 140.02	Cell and Molecular Biology, Laboratory	2	BIO 171.02	General Physiology, Laboratory	2
BIO 155.01	Systematics, Lecture	3	BIO 199.1	Thesis I: Bioseminar	2
BIO 155.02	Systematics, Laboratory	2	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	21(0)
	TOTAL	20(3)			

FOURTH YEAR

Intersession

BIO 197	Practicum	3
	TOTAL	3(0)

Units

First Semester

BIO 199.2	Thesis II	2
SPECIALIZATION	Biology Specialization	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	20(0)

Units Second Semester

BIO 199.3	Thesis III	2
SPECIALIZATION	Biology Specialization	3
SPECIALIZATION	Biology Specialization	3
SPECIALIZATION	Biology Specialization (Lecture, 3 units) (LEC3)	3
SPECIALIZATION	Biology Specialization (Laboratory, 2 units) (LAB2)	2
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3
	TOTAL	19(0)

Total Number of Academic Units: 183 (6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN LIFE SCIENCES

B.S. Life Sciences is a 4-year undergraduate honors program that provides an exciting, dynamic, and highly interdisciplinary approach to the life sciences. Majors are trained rigorously in fundamental biology courses while also taking essential courses in external disciplines depending on which of two Tracks they pursue. Those who pursue the *Communication Track* take courses in communication and the creative arts, giving them the necessary tools for effective engagement of the public in biological discussions across multimedia platforms. Those who pursue the *Management Track* take courses in management, leadership, and entrepreneurship to train them in managing operations and resources related to the biological sciences. The Communication Track prepares students for careers in the academe, journalism, research, advocacy work, and multimedia platforms, where they are expected to enhance the reach and significance of biological knowledge among the general public. The Management Track prepares students for managerial positions in biotechnology, biological resources management, and the pharmaceutical industry, among others.

Program Learning Outcomes

The nature of the BS Life Sciences program, rooted in Ateneo tradition, Filipino culture, and mindful of the needs of the future, is fit to produce graduates who are proficient in the basic principles of Biology, with particular focus on communication and management. The graduates recognize the impact of science and respect its limitations. Due to their outstanding professional training, they can navigate through the complex relationship of science and society with confidence.

In a world growing increasingly skeptical of scientific facts, there is a niche for individuals with the ability to communicate science effectively. BS Life Sciences Communication Track graduates, wary of the over and under simplifications of life sciences issues, understand the value of scientific literacy and are capable of discourse with a variety of audiences. Emphasis is given to media methodologies and modern scientific practices to produce graduates with the ability to critically evaluate and explain biological concepts to industry, the academe, and society, contributing to scientific literacy in the biological sciences. A generalized training in the key life sciences disciplines provides them with critical understanding of biological concepts necessary for proper conversation and public engagement.

Given the global rising trend in biological innovations, it is timely for the University to produce graduates who are capable of effective planning, organizing, coordinating and staffing for industries engaged in the life sciences. Our graduates can become leaders in managing the utilization of innovations biology and devising marketing strategies to make them more attractive to the target audience

Our BS Life Sciences graduates are aware of their ethical responsibility in their chosen fields. As the Philippines becomes more and more integrated in the global community, graduates are expected to be at the forefront of academe, healthcare, industry, and research. The rigorous training in the sciences instills perseverance and resilience, pushing our graduates to overcome challenges, both personal and professional.

**BACHELOR OF SCIENCE IN LIFE SCIENCES
(Communication Track)**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
BIO 31.01	Biostatistics, Lecture	2	BIO 110.01	General Botany, Lecture	3
BIO 31.02	Biostatistics, Laboratory	1	BIO 110.02	General Botany, Laboratory	2
BIO 100.01	General Zoology, Lecture	3	CHEM 31.21	Introduction to Analytical Chemistry for Biologists, Lecture	2
BIO 100.02	General Zoology, Laboratory	2	CHEM 31.22	Introduction to Analytical Chemistry for Biologists, Laboratory	1
MATH 10	Mathematics in the Modern World	3	MATH 21	University Pre-calculus	3
THEO 11	Faith, Spirituality, and the Church	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	SocSc 11	Understanding the Self	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	19(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
			TOTAL		22(0)

SECOND YEAR

<u>Intersession</u>		<u>Units</u>
BIO 120.01	Microbiology, Lecture	3
BIO 120.02	Microbiology, Laboratory	2
SocSc 12	The Contemporary World	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
BIO 130.01	Genetics, Lecture	3	BIO 150.01	General Ecology, Lecture	3
BIO 130.02	Genetics, Laboratory	2	BIO 150.02	General Ecology, Laboratory	2
CHEM 41.21	Introduction to Organic Chemistry for Biologists, Lecture	2	CHEM 51.21	Biochemistry for Biologists, Lecture	3
CHEM 41.22	Introduction to Organic Chemistry for Biologists, Laboratory	1	CHEM 51.22	Biochemistry for Biologists, Laboratory	2
COMM 20	Communication Theory	3	COMM 21	Media and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
STS 10	Science, Technology, and Society	3	NSTP 11	National Service Training Program 11	(3)
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
	TOTAL	22(0)	TOTAL		21(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
HISTO 12	Readings in Philippine History	3
ArtAp 10	Art Appreciation	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
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BIO 140.01	Cell and Molecular Biology, Lecture	3	BIO 30.01	Biophysics, Lecture	2
BIO 140.02	Cell and Molecular Biology, Laboratory	2	BIO 30.02	Biophysics, Laboratory	2
COMM 38	Basic TV/Video Production Techniques	3	COMM 24	Science and Risk Communication	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology Of Marriage, Family, and Vocation	3
IE 1	Interdisciplinary Elective 1 – English	3	FLC 11	Foreign Language and Culture 11	3
NSTP 12	National Service Training Program 12	(3)	IE 2	Interdisciplinary Elective 2	3
	TOTAL	17(3)		TOTAL	19(0)

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
BIO 143.01	Biotechnology, Lecture	3
BIO 143.02	Biotechnology, Laboratory	2
COMM ELECTIVE	Communication Elective	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 160.01	Evolutionary Biology, Lecture	3	BIO 198.2	Capstone II	3
BIO 198.1	Capstone I	3	BIO ELECTIVE	Biology Elective	3
COMM 76	Introduction to Journalism	3	COMM 85	Issues in Science Communication	3
COMM 113	Public Relations	3	COMM 180.16	Special Topics in Print Journalism: Writing about Culture	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	18(0)

Total Number of Academic Units: 178 (6)

Curriculum Effective Freshman Batch SY 2024 – 2025

**BACHELOR OF SCIENCE IN LIFE SCIENCES
(Management Track)**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
BIO 31.01	Biostatistics, Lecture	2	BIO 110.01	General Botany, Lecture	3
BIO 31.02	Biostatistics, Laboratory	1	BIO 110.02	General Botany, Laboratory	2
BIO 100.01	General Zoology, Lecture	3	CHEM 31.21	Introduction to Analytical Chemistry for Biologists, Lecture	2
BIO 100.02	General Zoology, Laboratory	2	CHEM 31.22	Introduction to Analytical Chemistry for Biologists, Laboratory	1
MATH 10	Mathematics in the Modern World	3	MATH 21	University Pre-calculus	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	19(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2)
			TOTAL		22(0)

SECOND YEAR

<u>Intersession</u>	<u>Units</u>	
BIO 120.01	Microbiology, Lecture	3
BIO 120.02	Microbiology, Laboratory	2
SocSc 12	The Contemporary World	3
TOTAL		8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
CHEM 41.21	Introduction to Organic Chemistry for Biologists, Lecture	2	BIO 150.01	General Ecology, Lecture	3
CHEM 41.22	Introduction to Organic Chemistry for Biologists, Laboratory	1	BIO 150.02	General Ecology, Laboratory	2
MATH 30.13	Applied Calculus for Business and Economics I	3	CHEM 51.21	Biochemistry for Biologists, Lecture	3
HISTO 12	Readings in Philippine History	3	CHEM 51.22	Biochemistry for Biologists, Laboratory	2
PHILO 11	Philosophy: The Human Condition	3	FLC 11	Foreign Language and Culture 11	3
STS 10	Science, Technology, and Society	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20(0)	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
			TOTAL		21(3)

THIRD YEAR

<u>Intersession</u>	<u>Units</u>	
MATH 30.14	Applied Calculus for Business and Economics II	3
ArtAp 10	Art Appreciation	3
TOTAL		6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 130.01	Genetics, Lecture	3	BIO 30.01	Biophysics, Lecture	2
BIO 130.02	Genetics, Laboratory	2	BIO 30.02	Biophysics, Laboratory	2
BIO 140.01	Cell and Molecular Biology, Lecture	3	LAS 21	Principles of Management	3
BIO 140.02	Cell and Molecular Biology, Laboratory	2	IE 1	Interdisciplinary Elective 1 – English	3
ACCT 113	Fundamentals of Accounting	3	IE 2	Interdisciplinary Elective 2	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		19(0)
	TOTAL	19(3)			

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
BIO 32	Bioscience Enterprise	3
BIO 143.01	Biotechnology, Lecture	3
BIO 143.02	Biotechnology, Laboratory	2
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 198.1	Capstone I	3	BIO 198.2	Capstone II	3
BIO ELECTIVE	Biology Elective	3	BIO ELECTIVE	Biology Elective	3
FINN 111	Fundamentals of Finance	3	MGT ELECTIVE	Management Elective	3
MKTG 111	Marketing Management	3	MGT ELECTIVE	Management Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 178 (6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

BIO 100.21 (Revised)

HISTOLOGY, LECTURE

3 units

Prerequisite: BIO 100.01

The course provides a comparative study of the structure and function of animal tissues and associated organs using the systems approach. Beginning from the cellular level of organization, students familiarize themselves with the basic types of tissue, providing the necessary foundations to study functions at the organ level of organization. Applications in medicine, pathology and research are also discussed.

BIO 100.22 (Revised)

HISTOLOGY, LABORATORY

2 units

Prerequisite: BIO 100.02

Co-requisite: BIO 100.21

This is a laboratory course that complements the lecture component, BIO 100.21. Utilizing a hands-on approach, this course allows students to examine animal tissue sections using conventional and virtual microscopy. Pertinent features of basic tissue and organ systems are discussed. Students also familiarize themselves with the practical aspects of microscopy, which include staining, microtechnique, and the appraisal of histologic sections.

CHEMISTRY

1/F Schmitt Hall
(632) 8426-6001 loc. 5620
chemistry.sose@ateneo.edu

The Department of Chemistry strives to provide an excellent environment for scientific inquiry and discourse. Its students are actively engaged in cutting-edge research that uses chemistry and its related fields to address the current needs of the community and the country. Equipped with technical skills and knowledge, its graduates are not only outstanding chemists, but are also well-rounded individuals that excel in their other fields of interest. They are actively engaged in research and extension work funded by the university, the private sector, and the government.

BACHELOR OF SCIENCE IN CHEMISTRY

The four-year B.S. Chemistry program provides students with a very strong foundation that gives them opportunities to work as chemists in industry or research, to pursue an academic career or to move into other areas such as business and engineering. The curriculum puts emphasis on fundamental principles of chemistry, modern chemical instrumentation and a strong hands-on component. Because laboratory work is done individually under the supervision of highly qualified faculty and using state of the art facilities, each student develops a high level of competence and confidence. Graduates are eligible to take the Chemist Licensure Examinations. Most graduates of the program have found careers in industry, inevitably moving into positions of leadership. Those who opted for academic careers successfully finish their graduate degrees from prestigious universities abroad. There are also those who chose to become entrepreneurs, and have succeeded in their businesses.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 121.01	Principles of Chemistry, Lecture	3	CHEM 122.01	Fundamentals of Inorganic Chemistry, Lecture	3
CHEM 121.02	Principles of Chemistry, Laboratory	2	CHEM 122.02	Fundamentals of Inorganic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 21	University Pre-calculus	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
TOTAL		22(0)	TOTAL		22(0)

SECOND YEAR

<u>Intersession</u>		<u>Units</u>
CHEM 131.01	Quantitative Chemical Analysis, Lecture	3
CHEM 131.02	Quantitative Chemical Analysis, Laboratory	2
FLC 11	Foreign Language and Culture 11	3
TOTAL		8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 141.01	Organic Chemistry 1, Lecture	3	CHEM 132.41	Quality Assurance in Analytical Chemistry, Lecture	3
CHEM 141.02	Organic Chemistry 1, Laboratory	2	CHEM 132.42	Quality Assurance in Analytical Chemistry, Laboratory	1
MATH 30.24	Applied Calculus for Science and Engineering II	3	CHEM 142.01	Organic Chemistry 2, Lecture	3
ArtAp 10	Art Appreciation	3	CHEM 142.02	Organic Chemistry 2, Laboratory	2
HISTO 12	Readings in Philippine History	3	PHYS 31.01	Analytical Physics I, Lecture	3
PHILO 11	Philosophy: The Human Condition	3	PHYS 31.02	Analytical Physics I, Laboratory	1
STS 10	Science, Technology, and Society	3	SocSc 12	The Contemporary World	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	THEO 12	Theology of the Catholic Social Vision	3

TOTAL	22(0)	NSTP 11	National Service Training Program 11	(3)
		PATHFit 4	Physical Activities Toward Health and Fitness 4	2
		TOTAL		21(3)

THIRD YEAR

<u>Interession</u>		<u>Units</u>
CHEM 161.41	Inorganic Compounds and Reactions, Lecture	3
CHEM 161.42	Inorganic Compounds and Reactions, Laboratory	1
PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 33.02	Analytical Physics III, Laboratory	1
TOTAL		8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 151.01	Biochemistry 1, Lecture	3	CHEM 133.01	Instrumental Chemical Analysis, Lecture	3
CHEM 151.02	Biochemistry 1, Laboratory	2	CHEM 133.02	Instrumental Chemical Analysis, Laboratory	2
CHEM 171.41	Physical Chemistry 1, Lecture	3	CHEM 172.41	Physical Chemistry 2, Lecture	3
CHEM 171.42	Physical Chemistry 1, Laboratory	1	CHEM 172.42	Physical Chemistry 2, Laboratory	1
CHEM 191	Undergraduate Seminar 1	1	CHEM 192	Undergraduate Seminar 2	1
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
TOTAL		16(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		16(3)

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
CHEM 197	Professional Engagement	3
TOTAL		3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 173.31	Principles of Quantum Chemistry, Lecture	2	CHEM 152.01	Biochemistry 2	3
CHEM 173.32	Principles of Quantum Chemistry, Laboratory	1	CHEM 199.2	Undergraduate Thesis 2	3
CHEM 199.1	Undergraduate Thesis 1	3	CH ELEC	Chemistry Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3	TOTAL		15(0)
IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3			
TOTAL		18(0)			

Total Number of Academic Units: 171(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN CHEMISTRY – BACHELOR OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING

New materials and devices with special properties will be in demand for the technologies of the 21st century. Materials Science and Engineering answers this need by integrating the knowledge and tools of chemistry and physics with engineering principles to design, fabricate and characterize improved and novel materials such as polymers, biodegradable plastics, biocompatible materials; ceramics, metals and composites for stronger structural materials; semiconductors for more efficient electronic devices; longer lasting paints, coatings and corrosion resistant materials; and many others.

The BS Chemistry part combines a strong foundation in chemistry with a focus on materials through specialized electives. The entire program provides competencies for careers in industry, especially in the areas of semiconductors, plastics, rubber, paints and resins, ceramics, textiles, food, or even cosmetics.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 121.01	Principles of Chemistry, Lecture	3	CHEM 122.01	Fundamentals of Inorganic Chemistry, Lecture	3
CHEM 121.02	Principles of Chemistry, Laboratory	2	CHEM 122.02	Fundamentals of Inorganic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3	ENGG 10	Engineering Workshop and Practices	1
MATH 21	University Pre-calculus	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
THEO 11	Faith, Spirituality, and the Church	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	SocSc 11	Understanding the Self	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	22(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
				TOTAL	23(0)

		SECOND YEAR	
<u>Intersession</u>		<u>Units</u>	
CHEM 131.01	Quantitative Chemical Analysis, Lecture	3	
CHEM 131.02	Quantitative Chemical Analysis, Laboratory	2	
FLC 11	Foreign Language and Culture 11	3	
	TOTAL	8(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 141.01	Organic Chemistry 1, Lecture	3	CHEM 132.41	Quality Assurance in Analytical Chemistry, Lecture	3
CHEM 141.02	Organic Chemistry 1, Laboratory	2	CHEM 132.42	Quality Assurance in Analytical Chemistry, Laboratory	1
MATH 30.24	Applied Calculus for Science and Engineering II	3	CHEM 142.01	Organic Chemistry 2, Lecture	3
ArtAp 10	Art Appreciation	3	CHEM 142.02	Organic Chemistry 2, Laboratory	2

HISTO 12	Readings in Philippine History	3	PHYS 31.01	Analytical Physics I, Lecture	3
PHILO 11	Philosophy: The Human Condition	3	PHYS 31.02	Analytical Physics I, Laboratory	1
STS 10	Science, Technology, and Society	3	SocSc 12	The Contemporary World	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	THEO 12	Theology of the Catholic Social Vision	3
	TOTAL	22(0)	NSTP 11	National Service Training Program 11	(3)
			PATHFit 4	Physical Activities Toward Health and Fitness 4	2
			TOTAL		21(3)

THIRD YEAR

Intersession

CHEM 161.41	Inorganic Compounds and Reactions, Lecture	3
PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 33.02	Analytical Physics III, Laboratory	1
	TOTAL	7(0)

Units

First Semester

CHEM 151.01	Biochemistry 1, Lecture	3
CHEM 151.02	Biochemistry 1, Laboratory	2
CHEM 171.41	Physical Chemistry 1, Lecture	3
CHEM 171.42	Physical Chemistry 1, Laboratory	1
CHEM 191	Undergraduate Seminar 1	1
MATSE 101	Principles of Materials Science and Engineering I	3
PHILO 12	Philosophy of Religion	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
	TOTAL	19(0)

Units Second Semester

CHEM 133.01	Instrumental Chemical Analysis, Lecture	3
CHEM 133.02	Instrumental Chemical Analysis, Laboratory	2
CHEM 172.41	Physical Chemistry 2, Lecture	3
CHEM 172.42	Physical Chemistry 2, Laboratory	1
CHEM 192	Undergraduate Seminar 2	1
MATSE 102	Principles of Materials Science and Engineering II	3
PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	19(3)

FOURTH YEAR

Intersession

CHEM 197	Professional Engagement	3
	TOTAL	3(0)

Units

First Semester

CHEM 107 (CHEM ELEC)	Mathematical Methods in Chemistry	3
CHEM 173.31	Principles of Quantum Chemistry, Lecture	2
CHEM 173.32	Principles of Quantum Chemistry, Laboratory	1
CHEM 199.1	Undergraduate Thesis 1	3
IE 4: MATSE 106 SERIES	MATSE 106 Series	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 1	Interdisciplinary Elective 1 – English	3
IE2: MATSE 111i SERIES	Interdisciplinary Elective: MATSE 111i Series	3

Units Second Semester

CHEM 152.01	Biochemistry 2	3
CHEM 199.2	Undergraduate Thesis 2	3
MATSE 121.01 (CHEM ELEC)	Polymeric Materials, Lecture	3
MATSE 121.02	Polymeric Materials, Laboratory	1
IE3: MATSE 160i SERIES	MATSE 160i Series	3
MATSE 161	Engineering Management	2
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	18(0)

TOTAL 21(0)

FIFTH YEAR

Interession

Units

MATSE 106.2	Materials and Testing Laboratory II	3
MATSE 199.1	Materials Research Project I	3
MATSE ELEC	MATSE Elective	3
	TOTAL	9(0)

First Semester

Units

MATSE 131	Ceramic Materials	3
MATSE 141	Electronic Materials	3
MATSE 151	Engineering Composites	3
MATSE 199.2	Materials Research Project II	3
MATSE ELEC	MATSE Elective	3
MATSE ELEC	MATSE Elective	3
ENGG 11	Computer-aided Drafting	1
	TOTAL	19(0)

Total Number of Academic Units: 211(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

MATSE 100.1 (New)

MATERIALS AND ENERGY AROUND US

0.5 units

This course presents an overview of the different types of engineering materials, their properties, and the various techniques to characterize them. It also discusses concepts about the different forms of energy, its conversion from one form to another and its applications to engines. The course employs a problem-based learning approach. At the end of each topic cluster, students participate in a capstone project presentation with their international peers to present and share their learning, insight, and output.

MATSE 100.2 (New)

MATERIALS SCIENCE AND FLIGHT MECHANICS

1 unit

Prerequisite: MATSE 100.1

This course provides a comprehensive discussion of materials, focusing on their application to flight mechanics. Students learn to associate groups of materials with specific macroscopic properties and develop a knowledge of state-of-the-art dimensional methods, the forces involved in flight mechanics, and materials characterization techniques. The course also covers the scientific approach to dimension and property relationships, use of measurement machine tools, and alternative materials selection for specific applications. Students analyze and compare material properties through shared bibliographic searches, test bench installation, and technical document interpretation in foreign languages.

MATSE 185.1 (New)

MATERIALS SCIENCE AND COMPRESSOR ENGINEERING: LINKING STRUCTURES, PROPERTIES, AND PROCESSES

1 unit

Prerequisite: MATSE 100.2

This course provides a background on the link among structures, properties, and processes of materials through theoretical and experimental frameworks. Students gain knowledge in metallic materials, polymers, and ceramics, and develop the proficiency in choosing the best material and associated process to meet specific mechanical and thermal specifications. They also gain knowledge in compressor systems, including the fundamental principles of thermodynamics and isentropic relations. Practical skills expected to be honed are the use of bench pumps and refrigeration benches, with an emphasis on composing reports that summarize practical activities and experimental results.

ELECTRONICS, COMPUTER, AND COMMUNICATIONS ENGINEERING

PLDT-CTC, Rm 314
(632) 8426-6001 loc. 5641
ecce.sose@ateneo.edu

The Department of ECCE provides a science-based and research-oriented engineering program characterized by a multidisciplinary approach which aims to develop graduates who will be front-runners in the rapidly changing fields of microelectronics, telecommunications, biomedical engineering, and energy.

The engineering programs offered by the Department of Electronics, Computer, and Communications Engineering aims to incorporate the profile of an Ideal Ateneo Graduate and the Engineering Program Outcomes. There are several factors that are outside the engineering program and this will be important in defining the identity and mindset of an Ateneo Engineer Alumni. The continuous struggle for the Department and the School is to find the synergy between the Ideal Ateneo Graduate and the Engineering Program Outcomes that bring out the best in our graduates which allow them to be productive members of our society as engineering professionals.

Program Learning Outcomes

1. Recognize the need for, and an ability to engage in life-long learning
2. Function on multidisciplinary teams
3. Apply knowledge of contemporary issues
4. Communicate effectively
5. Apply knowledge of mathematics and science to solve engineering problems
6. Design and conduct experiments, as well as to analyze and interpret data
7. Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability in
8. Identify, formulate, and solve, engineering problems
9. Apply professional and ethical responsibility
10. Identify the impact of engineering solutions in a global, economic, environmental, and societal context
11. Use techniques, skills, and modern engineering tools necessary for engineering practice
12. Apply knowledge of engineering and management principles as a member and leader in a team, to manage projects and in multidisciplinary environments

BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING

This 4.5-year program aims to train licensed engineers who have a competent grasp of both the science and technology of modern electronics and telecommunications. It is expected that these professionals will not only be applications experts but also creative innovators in this field.

The program is global in its outlook, with teaching and training extending beyond the classroom. The student curriculum incorporates exposure to industry and on-the-job training that will enhance the students' professional preparation. The industry commitment and linkage programs provide an excellent environment for research, innovation and technology development.

FIRST YEAR				
<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3 ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3 FILI 11	Malayuning Komunikasyon	3
CHEM 21.31	General Chemistry for Engineers, Lecture	3 MATH 30.23	Applied Calculus for Science and Engineering	3
CHEM 21.32	General Chemistry for Engineers, Laboratory	1 PHYS 31.31	Analytical Physics for Engineering 1, Lecture	3

ENGG 30.02	Introduction to Programming for Engineers	2	PHYS 31.32	Analytical Physics for Engineering 1, Laboratory	1
MATH 10	Mathematics in the Modern World	3	ENGG 11	Computer-aided Drafting	1
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	PATHFit 2	Physical Activities Toward Health and Fitness 2	(2)
	TOTAL	23(0)		TOTAL	22(0)

SECOND YEAR

<u>Intersession</u>	<u>Units</u>	
ENGG 21	Engineering Data Analysis	3
MATH 30.24	Applied Calculus for Science and Engineering II	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ENGG 25	Differential Equations	3	ENGG 47	Electromagnetic Theory and Applications	4
ENGG 40.01	Engineering Physics, Lecture	3	ENGG 102.01	Circuits II, Lecture	3
ENGG 40.02	Engineering Physics, Laboratory	1	ENGG 102.02	Circuits II, Laboratory	1
ENGG 101.01	Circuits I, Lecture	3	ENGG 111.01	Electronics I, Lecture	3
ENGG 101.02	Circuits I, Laboratory	1	ENGG 111.01	Electronics I, Laboratory	1
ArtAp 10	Art Appreciation	3	STS 10	Science, Technology, and Society	3
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	22(0)	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
				TOTAL	23(3)

THIRD YEAR

<u>Intersession</u>	<u>Units</u>	
ENVI 10.01	Introduction to Environmental Science, Lecture	3
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ENGG 27.01	Advanced Engineering Math with Numerical Methods, Lecture	3	ENGG 112.01	Electronics II, Lecture	3
ENGG 27.02	Advanced Engineering Math with Numerical Methods, Laboratory	1	ENGG 112.02	Electronics II, Laboratory	1
ENGG 48	Materials Science and Engineering	3	ENGG 122.01	Microprocessors and Microcontrollers, Lecture	3
ENGG 121.01	Logic Circuits and Switching Theory, Lecture	3	ENGG 122.02	Microprocessors and Microcontrollers, Laboratory	1
ENGG 121.02	Logic Circuits and Switching Theory, Laboratory	1	ENGG 151.01	Signals, Spectra, and Signal Processing, Lecture	3
ENGG 161	Engineering Management	2	ENGG 151.02	Signals, Spectra, and Signal Processing, Laboratory	1
PHILO 12	Philosophy of Religion	3	ENGG 192	Research Methods	1

SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	PHILO 13	Ethics	3
	TOTAL	19(3)		TOTAL	19(0)

FOURTH YEAR

Intersession

ENGG 197	On-the-Job Training	3
	TOTAL	3(0)

First Semester

ENGG 141.01	Analog Communication, Lecture	3
ENGG 141.02	Analog Communication, Laboratory	1
ENGG 143.01	Data Communication and Networking, Lecture	3
ENGG 143.02	Data Communication and Networking, Laboratory	1
ENGG 152.01	Feedback and Control Systems, Lecture	3
ENGG 152.02	Feedback and Control Systems, Laboratory	1
ENGG 18X.XX -1-1 (IE 4)	IE 4: Major Elective 1, Lecture	3
ENGG 18X.XX -1-2	Major Elective 1, Laboratory	1
ENGG 199.1	Thesis I	2
SocSc 14	Politics, Governance, and Citizenship	3
	TOTAL	21(0)

Units

Second Semester

ENGG 142.01	Digital Communications, Lecture	3
ENGG 142.02	Digital Communications, Laboratory	1
ENGG 144.01	Transmission Media and Antenna Systems, Lecture	3
ENGG 144.02	Transmission Media and Antenna Systems, Laboratory	1
ENGG 190	Seminars	1
ENGG 199.2	Thesis II	2
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 2	Interdisciplinary Elective 2	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	20(0)

FIFTH YEAR

First Semester

ENGG 113.01	Electronics III, Lecture	3
ENGG 113.02	Electronics III, Laboratory	1
ENGG 160	Engineering Economy	3
ENGG 168	Technopreneurship 101	3
ENGG 178.10	ECE Laws, Contracts, Ethics, Standards, and Safety	3
ENGG 18X.XX -2-1	Major Elective 2, Lecture	3
ENGG 18X.XX -2-2	Major Elective 2, Laboratory	1
	TOTAL	17(0)

Units

Total Number of Academic Units: 201(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

This 5-year engineering program prepares students to become quality engineers in information technology and computer applications. Graduates will have good communication and analytical skills gained from mathematics, science, engineering, and elective courses offered by the department. The department puts special emphasis in the field of microelectronics and its application in the rapidly evolving field of digital systems. The hands-on and integrative approach aims to train students to become leaders in enterprises dealing with digital technologies.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 21.31	General Chemistry for Engineers, Lecture	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
CHEM 21.32	General Chemistry for Engineers, Laboratory	1	PHYS 31.31	Analytical Physics for Engineering I, Lecture	3
ENGG 30.02	Introduction to Programming for Engineers	2	PHYS 31.32	Analytical Physics for Engineering I, Laboratory	1
MATH 10	Mathematics in the Modern World	3	ENGG 11	Computer-aided Drafting	1
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
	TOTAL	23(0)		TOTAL	22(0)

		SECOND YEAR			
<u>Interession</u>		<u>Units</u>			
ENGG 21	Engineering Data Analysis	3			
MATH 30.24	Applied Calculus for Science and Engineering II	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGG 24	Discrete Mathematics	3	ENGG 16.22	Computer Engineering Drafting and Design	1
ENGG 25	Differential Equations	3	ENGG 32	Data Structures and Algorithms	2
ENGG 31	Object Oriented Programming	2	ENGG 102.01	Circuits II, Lecture	3
ENGG 101.01	Circuits I, Lecture	3	ENGG 102.02	Circuits II, Laboratory	1
ENGG 101.02	Circuits I, Laboratory	1	ENGG 111.01	Electronics I, Lecture	3
ENGG 170	Basic Occupational Health and Safety	3	ENGG 111.02	Electronics I, Laboratory	1
HISTO 12	Readings in Philippine History	3	ENGG 171.20	Computer Engineering as a Discipline	1
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	STS 10	Science, Technology, and Society	3
	TOTAL	23(0)	THEO 12	Theology of the Catholic Social Vision	3
			NSTP 11	National Service Training Program 11	(3)
			PATHFit 4	Physical Activities Toward Health and Fitness 4	2
				TOTAL	23(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>			
ArtAp 10	Art Appreciation	3			
IE 1	Interdisciplinary Elective 1 – English	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGG 27.01	Advanced Engineering Math with Numerical Methods, Lecture	3	ENGG 38	Software Development	2
ENGG 121.01	Logic Circuits and Switching Theory, Lecture	3	ENGG 122.01	Microprocessors and Microcontrollers, Lecture	3
ENGG 121.02	Logic Circuits and Switching Theory, Laboratory	1	ENGG 122.02	Microprocessors and Microcontrollers, Laboratory	1
ENGG 161	Engineering Management	2	ENGG 125.03	Hardware Description Language	1
PHILO 12	Philosophy of Religion	3	ENGG 151.01	Signals, Spectra, and Signal Processing, Lecture	3
SocSc 13	The Economy, Society, and Sustainable Development	3	ENGG 151.02	Signals, Spectra, and Signal Processing, Laboratory	1
IE 3	Interdisciplinary Elective 3	3	ENGG 192	Research Methods	1
NSTP 12	National Service Training Program 12	(3)	PHILO 13	Ethics	3
	TOTAL	18(3)	THEO 13	A Theology of Marriage, Family, and Vocation	3
			TOTAL		18(0)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ENGG 197	On-the-Job Training	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGG 123.01	Computer Architecture and Organization, Lecture	3	ENGG 124.01	Embedded Systems, Lecture	3
ENGG 123.02	Computer Architecture and Organization, Laboratory	1	ENGG 124.02	Embedded Systems, Laboratory	1
ENGG 142.20	Digital Communications for CPE	3	ENGG 126	Operating Systems	3
ENGG 143.01	Data Communication and Networking, Lecture	3	ENGG 156	Fundamentals of Mixed Signals and Sensors	3
ENGG 143.02	Data Communication and,Networking, Laboratory	1	ENGG 190	Seminars	1
ENGG 152.01	Feedback and Control Systems, Lecture	3	ENGG 199.2	Thesis II	2
ENGG 18X.XX-1 (IE 4)	IE 4: Major Elective 1, Lecture	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
ENGG 199.1	Thesis I	2	IE 2	Interdisciplinary Elective 2	3
SocSc 14	Politics, Governance, and Citizenship	3	TOTAL		19(0)
	TOTAL	22(0)			

FIFTH YEAR

<u>First Semester</u>		<u>Units</u>
ENGG 160	Engineering Economy	3
ENGG 168	Technopreneurship 101	3
ENGG 178.20	CpE Laws, Contracts, Ethics, Standards, and Safety	2
ENGG 18X.XX-2	Major Elective 2	3
ENGG 18X.XX-3	Major Elective 3	3
ENGG 189	Emerging Technologies	3
	TOTAL	17(0)

COURSE OFFERINGS

ENGG 4 (New)

FUNDAMENTALS OF MECHANICAL ACTIONS AND JOINT KINEMATICS

0 unit

This course provides students with the core foundation in mechanics. This course covers the following topics: forces, identification, representation, and characterization; moments, representation and characterization; and torque, representation and characterization. This course requires a basic understanding of vectors, scalar and vector products, rotation axis, basic elements of drawing, and general physics and chemistry.

ENGG 94.13 (New)

INTRODUCTION TO STRENGTH OF MATERIALS

1 unit

The course provides students the fundamentals of strength of materials, which includes basic concepts for strengths of solids, design principles, isolated systems, sub-systems, analysis, representation-applicable balance of forces, equilibrium as a concept, structural deformation, deduced loads, and proposing simple sizing criterion for design.

ENGG 94.01 (New)

MECHANISMS AND FUNCTIONAL ANALYSIS, LECTURE

1 unit

Co-requisite: ENGG 94.02

This course provides students with the core foundation for human-centric design and design principles, by covering the following: functional analysis requirements, decomposition, analysis of utility and warranty requirements to articulate the engineering problem; mechanical linkages, cams, gears, gear trains and assembly, planar mechanisms, design and integration; theory of mechanisms, introduction to types of mechanisms and mobility, forces, moments, torque, and combinations of different loading (static, dynamic) on rigid bodies and joints; and degrees of freedom.

ENGG 94.02 (New)

MECHANISMS AND FUNCTIONAL ANALYSIS, LABORATORY

1 unit

Co-requisite: ENGG 94.01

This course introduces students to the techniques of constructing various types of polygons, curves and scale, first by hand and later, by using computer-aided design (CAD) software, to aid in visualizing and representing three-dimensional objects on two-dimensional plane.

ENGG 95.03 (New)

DESIGN PRINCIPLES OF MARINE STRUCTURES

1 unit

This course presents basic principles in designing marine structures. It covers advanced topics in statics of rigid bodies and resistance of structures. It is designed to equip students with practical knowledge and skills in using CAD in engineering design work such as boat dimensioning.

ENGG 95.13 (New)

MATERIALS MECHANICS AND STRESS-STRAIN ANALYSIS

2 units

This course delves into the science of materials, exploring how different materials deform and respond to various forces. Students build upon their foundation in mechanics to understand the relationship between stress (applied force) and strain (deformation) in various materials. This course analyzes different types of stress-strain behavior, equipping students with the ability to predict material behavior and design structures that can withstand specific loads.

ENGG 104.03 (New)

CIRCUITS AND SENSORS

2 units

This course discusses the fundamentals of electrical circuits and applies relevant concepts to sensor networks. Emphasis is given to elementary topics such as Kirchhoff's voltage law and Kirchhoff's current law (KVL and KCL), voltage division, current division, nodal analysis, and loop analysis.

ENGG 104.13 (New)

FUNDAMENTALS OF ANALOG ELECTRONICS AND PHOTONICS

2 units

This course covers the basic principles and applications of analog electronics and photonics: semiconductor physics, optics, electromagnetics, and analog control of electric actuators. Real-life application of these concepts are also discussed.

ENGG 105.03 (New)

INTERMEDIATE ANALOG ELECTRONICS AND MACHINES

2 units

This is an intermediate course on electronics, which covers the theory and operation of semiconductor devices such as diodes, transistors, linear integrated circuits and operational amplifiers. It also deals with the issue of electrical signal transformation using transformers, analog to digital conversion and other electrical means.

ENGG 105.13 (New)

INTRODUCTION TO DIGITAL ELECTRONICS

3 units

This is an introductory course on digital electronics. It involves the analysis and design of combinational logic and sequential logic. Additionally, it involves several minimization techniques and interpretation of integrated circuit (IC) pin assignments.

ENGG 114.03 (New)

ELECTRICAL CIRCUIT ANALYSIS AND SYNTHESIS

1 unit

This advanced course focuses on the analysis and synthesis of electrical circuits using network theorems and methods in the time, phase, frequency, or s domains. In order to solve the steady-state response to sinusoidal stimulation, phasors are utilized. Various equations and methods for calculating real power, reactive power, complex power, and maximum power transfer. This course specifically covers diodes, transistors (bipolar and MOS) and linear integrated circuits (ALI) also called operational amplifiers (op amps), wye-delta and delta-wye transformations, two-port network theorems, and others.

ENGG 114.13 (New)

MOTORS, GENERATORS, AND ENERGY CONVERSION

1 unit

This course focuses on power electronics and its numerous industrial applications in the domains of electrical energy generation and transportation, electrical equipment, and electric motor-powered transportation. The course specifically covers motors, generators, and the conversion of power and energy.

ENGG 115.03 (Revised)

FUNDAMENTALS OF MICROCONTROLLERS

0.5 units

This course introduces microcontrollers and presents their main components, especially the communication protocols used in interfacing them with other subsystems. Technical evaluation of an application is emphasized in order to know which microcontroller best suits it. Particular attention is paid to programming a microcontroller to develop and fulfill the goals of an application.

ENGG 115.13 (Revised)

ELECTRICITY NETWORKS AND POWER SYSTEMS

1 unit

This course deals with electric energy systems and their interconnection into grids. In particular, it tackles the power system of the traditional electrical grid and its continued modern transformation into smart grids enabled by new information and communications technologies. In addition, the course equips students with the knowledge and skills necessary to design an electric energy system to the specifications of an application.

ENGG 134.03 (New)

STRUCTURAL RESISTANCE, ELASTICITY, AND FABRICATION TECHNIQUES

1 unit

This course equips students with a holistic understanding of designing and building robust machines. By exploring static design principles, the analysis of forces acting on structures, students learn how to ensure structures can withstand specific loads without collapsing. The course then delves into material elasticity, understanding how different materials deform and return to their original shape under stress. Finally, the course integrates these concepts with practical fabrication techniques, teaching students how to translate designs into functional machines using various manufacturing processes. This comprehensive approach empowers students to design, analyze, and create structurally sound and efficient machines.

ENGG 134.13 (New)

STRESS, RESISTANCE, AND ELASTICITY

1 unit

This course covers stress concentration, structural resistance, and elasticity. The study of stresses, stress concentrations, strains and their effects are integrated in this course. Moreover, modeling and calculation tools for properly specifying, designing, and optimizing proper mechanical strengths are discussed. These concepts and tools are used to analyze critical applications such as aircraft fuselage, windows, lights, and panels.

ENGG 135.03 (Revised)

DESIGN METHODOLOGY OF COMPLEX STRUCTURES AND FINITE ELEMENTS

1 unit

The course integrates static loading analysis- loads, forces, moments, torques, their effects on mechanisms, members, linkages, and other elements as well as leading edge tensegrity structures and the interaction of tension and compression for stable structures. This course also introduces finite element simulations and do these in industry leading CAD and FEM models and software.

ENGG 136.03 (Revised)

BUILDING CONSTRUCTION, MATERIALS, AND HEAT TRANSFER

1 unit

This course examines the physical characteristics of materials for use in building design and construction. Students assess them based on heat transfer theory with particular focus on how they affect the thermal performance of the design. Besides the physical characteristics, the fabrication process of the materials are also considered in determining their suitability for use in the building design.

ENGG 154.03 (New)

DYNAMIC SYSTEMS MODELING

2 units

This course introduces students to modeling dynamic systems. The systems are real-world engineered systems that can be represented as mathematical models. Through computing softwares, students are able to translate mathematical models into numerical ones that can be simulated by computers. Iterating through system model improvements in simulation, students propose improvements to the considered real-world systems.

ENGG 155.03 (New)

AUTOMATIC CONTROL SYSTEMS AND APPLICATIONS

2 units

This course is a comprehensive treatment of automatic control systems from theory to practical applications. Students learn how to model systems using transfer functions, how to design controllers for them, and how to simulate complete automatic control systems using a computing software. The course follows a control system design process that is focused on optimizing system performance to achieve its objectives. Students apply this same process on implementing their own practical control system.

ENGG 164.03 (New)

PROJECT PROPOSAL I

2 units

This course is designed for students to demonstrate their skills in integrated system design that combines mechanical, electrical engineering, and management. Students work on a project that involves designing a system based on specified requirements, including project management, cost analysis, and quality control. They integrate the knowledge and skills acquired and apply it to the development of a comprehensive system. Students are expected to work in teams, communicate effectively, and present their final product to a panel of industry experts.

ENGG 164.13 (New)

PROJECT IMPLEMENTATION I

2 units

Students work on a more complex project that involves designing an advanced system with higher performance requirements and more stringent design constraints. They are required to integrate advanced technologies and processes from multiple disciplines, such as artificial intelligence, automation, and sustainability. Students work in teams to define project objectives, develop detailed project plans, conduct feasibility studies, perform risk analyses, and design and build a working prototype.

ENGG 165.03 (New)

PROJECT PROPOSAL II

3 units

This course is designed for students to demonstrate their skills in integrated system design that combines mechanical, electrical engineering, and management. Students work on a project that involves designing a system based on specified requirements, including project management, cost analysis, and quality control. They integrate the knowledge and skills acquired in their previous coursework and apply it to the development of a comprehensive system. Students are expected to work in teams, communicate effectively, and present their final product to a panel of industry experts.

ENGG 165.13 (New)

Project Implementation II

3 units

The course aims to prepare students to be innovative, creative, and effective system designers. It allows students to work on a project with more complex design, having higher performance requirements, and more stringent design constraints. They are required to integrate advanced technologies and processes from multiple disciplines, such as artificial intelligence, automation, and sustainability. The final product is presented to industry experts, and students document their work in a detailed technical report.

ENGG 166.03 (New)

CONTROL AND AUTOMATION

0.5 unit

This course integrates the fields of electronics, electrical engineering, mathematics, information technology, and automation. The course aims to create and implement a project prototype that is intended to address complex technological difficulties that are common in today's ever-changing environment. By combining theoretical concepts with practical application, students get a deep understanding of the complex connections between many domains, with a particular focus on the practical use of microcontroller systems. This course enhances both technical skills and the development of a strong basis in critical analysis, problem-solving, and collaborative abilities.

ENGG 167.03 (New)

TRANSVERSAL BOAT DESIGN

0.5 unit

This course challenges students to collaboratively design and develop an electrically-powered, remote-controlled boat as a complex system. Students consider various technological aspects, including electrical engineering and remote control, while also factoring in cost, environmental impact, and societal needs. The project's local application aligns with commitment to social responsibility and integral ecology. By integrating knowledge, adapting to constraints, and developing practical solutions, students gain the skills to address real-world challenges through innovative and sustainable technological designs.

ENGG 174.03 (New)

PROJECT PROPOSAL III

3 units

This project-based course challenges students to become a well-rounded engineer by tackling real-world challenges. Students collaborate in teams to design and build an electrically-powered, remote-controlled boat, treating it as a complex system. They delve into the intricacies of mechanical, electrical, and software components to bring their design to life. Aside from functionality, students explore ways to optimize costs while minimizing environmental impact and maximizing social good by designing boats for specific applications such as waste collection or water quality monitoring. By integrating these diverse considerations, students gain the skills to develop innovative and sustainable solutions that address local needs.

ENGG 174.13 (New)

PROJECT IMPLEMENTATION III

3 units

This hands-on project implementation course immerses students in the practical application of engineering design principles, specifically in the creation of remote-controlled water vessels. Through active experimentation and execution, students engage with topics covering hydrodynamics, control systems, sensors, communication systems, life cycle analysis, and project management. The course empowers students to design, execute experiments, and construct remote-controlled watercraft using diverse materials and technologies. Furthermore, it facilitates exploration into the complexities of these vessels, addressing challenges such as stability, maneuverability, power management, and environmental impact through experiential learning.

ENGG 175.03 (New)

ENGINEERING PROBLEM SOLVING

0.5 unit

This course challenges students to solve an engineering problem based on the application of the scientific method. Presented with a technical problem within a professional context, students are asked to develop an engineering solution following the scientific method where they design, test, and execute a comprehensive plan, implementing the solution. Throughout the whole process, students iterate through the steps of the scientific method in order to accomplish their objectives.

ENGG 175.13 (New)

DESIGN AND OPTIMIZATION OF ELECTRIC VEHICLES AND PHOTOVOLTAIC SYSTEMS

2 units

This course focuses on the electrical design and optimization of electric vehicles and photovoltaic systems. This course presents the multifaceted design of engineered systems where electrical performance depends on other aspects like mechanical and material design and vice versa. Students solve practical and industrial engineering problems by designing and testing prototypes. Through the latter, students gain a comprehensive understanding of electric vehicles and photovoltaic systems from their fabrication to practical operation.

ENGG 176.03 (Revised)

ENGINEERING PROJECT DESIGN

1 unit

Co-requisite: ENGG 198.03

This is a course on the design of a home for tomorrow. It equips students with the necessary soft and hard knowledge and skills required in designing, modeling, constructing, and testing the materials, components, and subsystems of the overall home for tomorrow system paying attention to sustainable quality life. The course culminates with the formulation of an initial design considering engineering, financial, human, social, and environmental factors.

ENGG 180.03 (Revised)

HACKATHON I

1 unit

This course challenges students' theoretical knowledge of thermodynamics by applying it on a practical application where a material undergoes phase change: predicting the time (estimated end of melting or EEOM) when ice completely melts. An Internet-of-Things (IoT) approach is deployed in this estimation. Students design and develop an IoT-based system employing sensors and processing data that is able to predict the real-time EEOM based on material properties and heat transfer calculations.

ENGG 180.13 (Revised)

HACKATHON II

2.5 units

This course is a hackathon to spur students' creativity and innovation in developing a solution to a sustainable construction problem. Waste management, recycling, and sustainable materials within the purview of sustainable construction are examined. Students form teams to propose and evaluate proposed solutions in a creative design thinking process within a time- and resource-limited environment.

ENGG 197.1 (New)

INTERNSHIP I

3 units

This course provides a springboard for the engineering career of students. They are immersed in professional settings, collaborating closely with industry experts in their chosen discipline. Through hands-on projects, teamwork, and dedicated mentoring, students gain valuable practical skills and a deeper understanding of the engineering field. This comprehensive experience exposes them to diverse learning opportunities and equips them with the knowledge and confidence to navigate the exciting world of engineering.

ENGG 197.2 (New)

INTERNSHIP II

3 units

This course propels students into the professional engineering landscape. Students gain extended practical experience through challenging projects, solidifying their technical skills and professional demeanor. By working alongside industry experts and collaborating with peers, students explore specialized areas within their chosen engineering discipline, gaining invaluable insights and refining their career aspirations. This course provides opportunities for professional development, equipping students with essential skills like communication, problem-solving, and critical thinking, preparing them to thrive in any engineering environment and empowering them to make a meaningful impact, contributing to real-world projects while solidifying their foundation for a successful engineering career.

ENGG 198.03 (Revised)

CAPSTONE PROJECT I

3 unit

Co-requisite: ENGG 176.03

This is the first in a two-course series on an engineering capstone project. It constitutes the design, proposal, and initial implementation of a home for tomorrow. Students design, model, construct, and test materials, components, subsystems, and the overall system considering the engineering, financial, human, social, and environmental issues and constraints of building a home for tomorrow. Students plan and manage the project. At the end of the course, they present their proposed projects with complete technical documentation.

ENVIRONMENTAL SCIENCE

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The Department of Environmental Science seeks to be a Philippine leader in holistic environmental science and technology education and a center of excellence in multi-dimensional research that promotes a vibrant and nurtured environment towards sustaining life and enriching human welfare.

Inspired by Ignatian values, the Department forms technically competent, socially responsible and culturally rooted environmental practitioners who will be catalysts for change across sectors of Philippine society and beyond. It is committed to generating new knowledge on and providing sustainable solutions to the challenges of environment and development.

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

The BS Environmental Science (BS ES) curriculum combines the empirical focus of the natural sciences with the pro-active methodologies of management and the social sciences. It provides an extensive interdisciplinary foundation and broad training in systems thinking needed to address many of today's complex environmental problems.

Program Learning Outcomes

In consideration of the CHED outcomes as well as the overall characteristics of the ideal Ateneo graduate, the proposed BS Environmental Science program of the School of Science and Engineering therefore aims to form graduates with the ability to:

Knowledge

- a. Demonstrate broad and coherent knowledge and understanding in the core areas of environmental science, and in how these areas are interconnected within environmental science and with other complementary fields in the social sciences, the humanities and management.
- b. Articulate the latest developments and trends in the field of environmental science and management, and analyze these issues with a systems lens, recognizing local realities and cultures as well as larger regional and global contexts.
- c. Generate new knowledge and innovations to address perceived needs and gaps related to specific environmental issues.

Skills

- a. Apply analytical and critical problem-solving skills using the scientific method, including the appropriate design of data generation methods, the sound use of data analysis techniques, and the defensible interpretation of scientific results towards addressing a specific environmental issue.
- b. Demonstrate techniques and procedures following safe, responsible and ethical practices both in the laboratory and the field.
- c. Communicate environment-related issues with a wide range of stakeholders, both in written and oral forms. This includes communication with a scientific audience, i.e. technical writing and presentation, as well as dialogue with non-science publics such as decision-makers, funders and other stakeholders on the ground.

Attitudes/Values

- a. Demonstrate teamwork, leadership and the collaborative spirit that drives meaningful and holistic environmental work, given the complexity of today's challenges.
- b. Demonstrate professional and moral integrity and excellence, both as a scientist and as a responsible citizen committed to preserving the values of the Ateneo as a Filipino, Catholic and Jesuit institution.
- c. Promote personal and structural transformation oriented towards environmental and social justice.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices And Encounters	3
FILI 12	Panitikan Ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
ENVI 10.01	Introduction To Environmental Science, Lecture	3	BIO 100.01	General Zoology, Lecture	3
ENVI 10.02	Introduction To Environmental Science, Laboratory	1	BIO 100.02	General Zoology, Laboratory	2
BIO 110.01	General Botany, Lecture	3	IE 2: ENVI STUD	Interdisciplinary Elective 2: Environmental Studies Elective	3
BIO 110.02	General Botany, Laboratory	2	SocSc 11	Understanding The Self	3
MATH 10	Mathematics In The Modern World	3	THEO 11	Faith, Spirituality, And The Church	3
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health And Fitness 1	2	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
	TOTAL	20(0)		TOTAL	22(0)

SECOND YEAR

<u>Intersession</u>		<u>Units</u>
MATH 21	University Pre-calculus	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENVI 110.01	Environmental Ecology, Lecture	3	ENVI 155.01	Introduction to the Earth Sciences, Lecture	3
ENVI 110.02	Environmental Ecology, Laboratory	2	ENVI 155.02	Introduction to the Earth Sciences, Laboratory	2
CHEM 21.11	General Chemistry I, Lecture	3	BIO 120.01	Microbiology, Lecture	3
CHEM 21.12	General Chemistry I, Laboratory	2	BIO 120.02	Microbiology, Laboratory	2
MATH 30.23	Applied Calculus for Science and Engineering I	3	CHEM 22.11	General Chemistry II, Lecture	3
STS 10	Science, Technology, and Society	3	CHEM 22.12	General Chemistry II, Laboratory	2
PHILO 11	Philosophy: The Human Condition	3	MATH 30.24	Applied Calculus for Science and Engineering II	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	THEO 12	Theology of the Catholic Social Vision	3
	TOTAL	21(0)	NSTP 11	National Service Training Program 11	(3)
			PATHFit 4	Physical Activities Toward Health and Fitness 4	2
				TOTAL	23(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
ArtAp 10	Art Appreciation	3
HISTO 12	Readings in Philippine History	3
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENVI 160.01	Introduction to Environmental Pollution, Lecture	3	ENVI 100.01	Environmental Monitoring: Instrumentation and Analysis, Lecture	2
ENVI 160.02	Introduction to Environmental, Pollution Laboratory	2	ENVI 100.02	Environmental Monitoring: Instrumentation and Analysis, Laboratory	1

CHEM 34.41	Survey of Analytical Chemistry, Lecture	3	ENVI 176i	Environmental Impact Assessment	3
CHEM 34.42	Survey of Analytical Chemistry, Laboratory	2	ENVI 180	Special Topics in Environmental Science	3
MATH 60.1	Statistics for Life Sciences	3	ENVIMOD/ DATSC ELEC	Environmental Modeling/Data Science Elective	3
PHILO 12	Philosophy of Religion	3	PHYS 23.21	College Physics for Environmental Science, Lecture	3
SocSc 12	The Contemporary World	3	PHYS 23.22	College Physics for Environmental Science, Laboratory	2
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		20(3)

FOURTH YEAR

Interession

ENVI 100.03	Environmental Monitoring: Field Research Studies	3
	TOTAL	3(0)

Units

First Semester

ENVI 199.1	Senior Thesis I	3
ENVI STUD ELECTIVE	Environmental Studies Elective	3
ENVI SCI ELECTIVE	Environmental Science Elective	3
EARTH SCI ELECTIVE	Earth Science Elective	3
PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
	TOTAL	18(0)

Second Semester

ENVI 199.2	Senior Thesis II	3
ENVI STUD ELECTIVE	Environmental Studies Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3
IE 4	Interdisciplinary Elective 4	3
	TOTAL	18(0)

Total Number of Academic Units: 182(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

HEALTH SCIENCES

PLDT-CTC Building, Rm 401
(632) 8426-6001 loc. 5618
healthsci.sose@ateneo.edu

The Health Sciences Program seeks to develop doctors and health professionals, who possess a broad view and deep understanding of health issues pertinent to the Philippine health care system and global health sector. It aims to form students into professionals with a holistic understanding of health, from its foundations in the sciences to its relevance in development and to its effectiveness in management.

The Health Sciences Program prepares undergraduate students as health professionals-of-the-future, who can respond to the challenge of being outstanding health care professionals, dynamic leaders, and decisive social catalysts. The program trains would-be professionals to engage in health in various ways and capacities through multi-disciplinary and systemic approaches to health care management, health and environmental policy, health products and services development, health informatics, health education, health promotion and communication, and other challenges in public health care.

BACHELOR OF SCIENCE IN HEALTH SCIENCES

BS Health Sciences is a four-year program that prepares undergraduate students to become health professionals who possess a broad view and deep understanding of health issues pertinent to the Philippine health system and the global health sector. By offering meaningful opportunities for students to learn and serve through transdisciplinary and systemic approaches, it seeks to form competent, conscientious, and compassionate practitioners who are generously committed to contribute to nation-building and sustainable development as outstanding professionals, dynamic leaders, and decisive social catalysts.

FIRST YEAR				
<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3 ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3 FILI 11	Malayuning Komunikasyon	3
CHEM 21.11	General Chemistry I, Lecture	3 CHEM 43.11	Survey of Organic Chemistry, Lecture	3
CHEM 21.12	General Chemistry I, Laboratory	2 CHEM 43.12	Survey of Organic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3 MATH 30.23	Applied Calculus for Science and Engineering I	3
SocSc 11	Understanding the Self	3 THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to the Ateneo Culture and Traditions 11	(0) INTACT 12	Introduction to the Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Toward Health and Fitness 1	2 PATHFit 2	Physical Activities Toward Health and Fitness 2	2
	TOTAL	19(0)	TOTAL	19(0)

SECOND YEAR		<u>Units</u>
<u>Intersession</u>		
HISTO 11	Rizal and the Emergence of the Philippine Nation	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HSCI 20	Introduction to Community Health	2 BIO 140.01	Cell and Molecular Biology, Lecture	3
BIO 100.01	General Zoology, Lecture	3 BIO 140.02	Cell and Molecular Biology, Laboratory	2
BIO 100.02	General Zoology, Laboratory	2 ENVI 10.01	Introduction to Environmental Science, Lecture	3
CHEM 53.10	Survey of Biochemistry	3 DEV 189.8	Special Topics in Contemporary Development Issues: The Political Economy of Health and Development	3
HISTO 12	Readings in Philippine History	3 STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3 ArtAp 10	Art Appreciation	3
SocSc 12	The Contemporary World	3 THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2 NSTP 11	National Service Training Program 11	(3)
	TOTAL	21(0) PATHFit 4	Physical Activities Toward Health and Fitness 4	2
			TOTAL	22(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
HSCI 50	Statistics for the Health Sciences	3
HSCI 192	Research Methods in the Health Sciences	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HSCI 51	Introduction to Epidemiology	3	HSCI 60i	Fundamentals of Global Health	3
PHYS 20.01	Elementary Physics I, Lecture	2	HSCI 199.1	Scholarly Work 1A: Defining the Problem	2
PHYS 20.02	Elementary Physics I, Laboratory	1	MSYS 116	Applications in Medicine and Public Health Informatics	3
LAS 21.20	Principles of Management for the Service Sector	3	PHYS 21.01	Elementary Physics II, Lecture	2
ANTH 168/ SOCIO 168	Anthropology /Sociology of Health	3	PHYS 21.02	Elementary Physics II, Laboratory	1
PHILO 12	Philosophy of Religion	3	ACCT 130	Resource Management	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)		TOTAL	20(0)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
HSCI 100.1	The Health Professional as Administrator	1
HSCI 199.2	Scholarly Work 1B: Collaboration and Data Collection	2
HSCI ELECTIVE (3 UNITS)	Health Science Elective (3 units)	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HSCI 70i	Introduction to Health Policy and Systems Research	3	HSCI 100.3	The Health Professional as a Changed Agent	1
HSCI 100.2	The Health Professional as Agent of Change	1	HSCI 199.4	Scholarly Work 2B: Writing, Presentation, Evaluation, and Publication	2
HSCI 199.3	Scholarly Work 2A: Data Analysis and Synthesis	2	HSCI ELECTIVE (2 UNITS)	Health Science Elective (2 units)	2
HSCI ELECTIVE (2 UNITS)	Health Science Elective (2 units)	2	HSCI ELECTIVE (3 UNITS)	Health Science Elective (3 units)	3
PHILO 13	Ethics	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3	FREE ELECTIVE	Free Elective	3
	TOTAL	17(0)		TOTAL	17(0)

Total Number of Academic Units: 171(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

INFORMATION SYSTEMS AND COMPUTER SCIENCE

Faura Hall, Rm 208
(632) 8426-6001 loc. 5660
discs.ose@ateneo.edu

The Department of Information Systems and Computer Science seeks to be the Computer Science and Information Systems education institution of choice in Asia, serving as a cradle for innovative technology research and development. It seeks to transform students grounded in theory and practice into world-class professionals and researchers capable of producing information technologies that meet society's needs.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

The BS in Computer Science (BS CS) program provides a rigorous foundation in both the theoretical and practical aspects of computing. Core computer science courses provide the students with an intensive background in writing complex software systems and in the design and interconnection of computers. Electives are available from various areas in computer science – including multimedia, MIS and software engineering, networks and wireless systems, web-based systems, computer engineering, and computational science. These are designed so that students can take interrelated courses to specialize in a particular area.

Throughout the four years of study, the students are constantly expected to innovate and to contribute to advancement in technology and its applications. Thus, graduates of the program can expect to be well prepared for graduate studies abroad or to become the systems designers and network administrators of software development firms and MIS/ICT departments of corporations.

Program Learning Outcomes

An Ideal BS Computer Science graduate is:

1. Able to create, develop, and design effective technology and business solutions using programming languages and efficient algorithms.
2. Able to adapt to changing global challenges and make executive decisions as effective leaders and cooperative team members.
3. Critically aware of the important societal needs and is able to apply systems thinking in developing business and technological solutions to effectively address these needs.
4. Able to uphold moral integrity and is aware of the ethical implications of their solutions and professional work.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSCI 20	Introduction to Computing	3	CSCI 22	Introduction to Programming II	3
CSCI 21	Introduction to Programming I	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	SocSc 11	Understanding the Self	3
MATH 21	University Pre-calculus	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
				TOTAL	23(0)

SECOND YEAR

<u>Intersession</u>	<u>Units</u>	
MATH 60.2	Introduction to Statistical Analysis	3
MATH NSCI TECH ELECTIVE	Math, NatSci, and Technology Elective	3
SocSc 12	The Contemporary World	3

TOTAL 9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 30	Data Structures and Algorithms	3	CSCI 40	Software Tools and Development Frameworks	3
MATH 30.24	Applied Calculus for Science and Engineering II	3	MATH 51.4	Math for Computer Science II	3
MATH 51.3	Math for Computer Science I	3	PHYS 160	Electronics	5
PHYS 23.11	University Physics for Computer Science I, Lecture	3	HISTO 12	Readings in Philippine History	3
PHYS 23.12	University Physics for Computer Science I, Laboratory	2	THEO 12	Theology of the Catholic Social Vision	3
ArtAp 10	Art Appreciation	3	FLC 11	Foreign Language and Culture 11	3
PHILO 11	Philosophy: The Human Condition	3	NSTP 11	National Service Training Program 11	(3)
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
TOTAL		22(0)	TOTAL		22(3)

THIRD YEAR

<u>Interession</u>		<u>Units</u>
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
TOTAL		6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 41	Information Management	3	CSCI 42	Introduction to Software Engineering	3
CSCI 50.01	Computer Organization, Lecture	3	CSCI 51.01	Operating Systems, Lecture	3
CSCI 50.02	Computer Organization, Laboratory	3	CSCI 51.02	Operating Systems, Laboratory	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI MAJOR ELECTIVE	CSCI Major Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	CSCI 199.1	Thesis Writing I	1
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
TOTAL		19(0)	PHILO 13	Ethics	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		20(3)

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
CSCI 197	Practicum	3
TOTAL		3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 60	Computer Networks and Data Communications	3	CSCI 61	Information Assurance and Security	3
CSCI 70	Structure and Interpretation of Programming Languages	3	CSCI 71	Theory of Computation	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI 199.3	Thesis Writing III	3
CSCI 199.2	Thesis Writing II	3	ISCS 30.XX	Guided Studies in DISCS	1
ISCS 30.XX	Guided Studies in DISCS	1	STS 10	Science, Technology, and Society	3

SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	19(0)		TOTAL	19(0)

Total Number of Academic Units: 182(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN COMPUTER SCIENCE – BACHELOR OF SCIENCE IN DIGITAL GAME DESIGN AND DEVELOPMENT

The 5-Year BS in Computer Science and BS in Digital Game Design and Development program aims to produce highly skilled game design and development Ateneans who are capable of creating games for diverse purposes. Capitalizing on the Ateneo’s emphasis on interdisciplinarity and service to others, our graduates should be able to produce high quality games for entertainment as well as for education, physical or mental therapy, cultural preservation, advertising, and so on. Furthermore, we believe that the creation of such a course encourage interdisciplinary research and collaboration.

The first degree in computer science grounds students in programming, algorithms, databases, mathematics, and physics. Students are also required to take subjects on the theory and aesthetics of game design. During the fifth year, the degree program incorporates a year-long integrative project in which the students must conceptualize and implement a game, up to the point where it is ready to be marketed. We encourage students to make use of their major electives to increase their game innovation skills, to explore game application areas.

Program Learning Outcomes

An Ideal BS Computer Science – BS Digital Games Design and Development graduate is:

1. A person embodied with the ability to bridge design and technology to produce effective, immersive and engaging games at par with global standards.
2. Exposed to the different disciplines in game design and development to be an effective & valuable team player as well as to discover & harness individual talents.
3. An agent of change by employing serious games for the betterment of the individual and society.
4. A person who incorporates moral and ethical principles in game design and development.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSCI 20	Introduction to Computing	3	CSCI 22	Introduction to Programming II	3
CSCI 21	Introduction to Programming I	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
MATH 21	University Pre-calculus	3	SocSc 11	Understanding the Self	3

INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	THEO 11	Faith, Spirituality, and the Church	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
			TOTAL		23(0)

SECOND YEAR

<u>Intersession</u>		<u>Units</u>
MATH 60.2	Introduction to Statistical Analysis	3
MATH NSCI TECH ELECTIVE	Math, NatSci, and Technology Elective	3
SocSc 12	The Contemporary World	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSCI 30	Data Structures and Algorithms	3	CSCI 40	Software Tools and Development Frameworks	3
MATH 30.24	Applied Calculus for Science and Engineering II	3	MATH 51.4	Math for Computer Science II	3
MATH 51.3	Math for Computer Science I	3	PHYS 160	Electronics	5
PHYS 23.11	University Physics for Computer Science I, Lecture	3	HISTO 12	Readings in Philippine History	3
PHYS 23.12	University Physics for Computer Science I, Laboratory	2	THEO 12	Theology of the Catholic Social Vision	3
ArtAp 10	Art Appreciation	3	FLC 11	Foreign Language and Culture 11	3
PHILO 11	Philosophy: The Human Condition	3	NSTP 11	National Service Training Program 11	(3)
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	PATHFit 4	Physical Activities Toward Health and Fitness 4	(2)
	TOTAL	22(0)	TOTAL		22(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSCI 41	Information Management	3	CSCI 42	Introduction to Software Engineering	3
CSCI 50.01	Computer Organization, Lecture	3	CSCI 51.01	Operating Systems, Lecture	3
CSCI 50.02	Computer Organization, Laboratory	3	CSCI 51.02	Operating Systems, Laboratory	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI MAJOR ELECTIVE	CSCI Major Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	CSCI 199.1	Thesis Writing I	1
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	PHILO 13	Ethics	3
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)

TOTAL 20(3)

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
CSCI 197	Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSCI 60	Computer Networks and Data Communications	3	CSCI 61	Information Assurance and Security	3
CSCI 70	Structure and Interpretation of Programming Languages	3	CSCI 71	Theory of Computation	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI 199.3	Thesis Writing III	3
CSCI 199.2	Thesis Writing II	3	ISCS 30.XX	Guided Studies in DISCS	1
ISCS 30.XX	Guided Studies in DISCS	1	STS 10	Science, Technology, and Society	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	19(0)	TOTAL		19(0)

FIFTH YEAR

<u>Interession</u>		<u>Units</u>
GDEV 198.1	Integrative Project 1	3
FREE ELECTIVE	Free Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
GDEV 41	PC and Console Game Development I	3	GDEV 42	PC and Console Game Development II	3
GDEV 50i	Game Studies: An Interdisciplinary Introduction	3	GDEV 198.3	Integrative Project 3	3
GDEV 198.2	Integrative Project 2	3	GDEV MAJOR ELECTIVE	GDEV Major Elective	3
GDEV MAJOR ELECTIVE	GDEV Major Elective	3	GDEV MAJOR ELECTIVE	GDEV Major Elective	3
IDES 103.03	Design Practice: Graphic Design Practice	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 218(6)
Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

The BS in Management Information Systems (BS MIS) program is designed to produce future Chief Information Officers (CIOs) – professionals who can harness information technology to meet business objectives. An interdisciplinary offering of the Department of Information Systems and Computer Science (DISCS) and the John Gokongwei School of Management, students in this program enroll in computer science courses, management engineering courses, and core MIS courses. They are provided with access to the latest in software, hardware, and network technologies. The program promotes MIS as a field and as a career, discusses the tools necessary for the profession, and provides in-depth analyses of the issues surrounding MIS operations.

BS MIS caters to students who are interested in the application of computers to business organizations and to students who wish to pursue a management course with extensive exposure to computing. Graduates from the program find immediate employment as system analysts, project managers, applications programmers, and information technology support personnel in local as well as in multinational corporations.

Program Learning Outcomes

An Ideal BS Management Information Systems – MS Computer Science graduate is:

1. Able to systematically provide IT based business solutions for society and business organizations.
2. Able to lead global teams.
3. Able to apply critical and creative thinking in addressing societal needs with appropriate IT (solutions) answers.
4. Able to provide information technologies that take moral and ethical principles into consideration.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MSYS 20	Introduction to Management Information Systems	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	NatSc 10.01	Natural Science, Lecture	3
SocSc 11	Understanding the Self	3	NatSc 10.02	Natural Science, Laboratory	1
THEO 11	Faith, Spirituality, and the Church	3	ArtAp 10	Art Appreciation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
TOTAL		20(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
			TOTAL		21(0)
SECOND YEAR					
<u>Intersession</u>		<u>Units</u>			
MATH 60.2	Introduction to Statistical Analysis	3			
SocSc 12	The Contemporary World	3			
TOTAL		6(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 21	Introduction to Programming I	3	MSYS 22	Introduction to Programming II	3
LAS 21	Principles of Management	3	ACCT 113	Fundamentals of Accounting	3
MGT ELECTIVE	Management Elective	3	OPMAN 131.04	Business Process Re-engineering	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	FLC 11	Foreign Language and Culture 11	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20(0)	PATHFit 4	Physical Activities Toward Health and Fitness 4	(2)
			TOTAL		20(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
MSYS 40	Business Applications Development 1	3
MSYS MAJOR ELECTIVE	MSYS Major Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 30	Data Structures and Algorithms	3	MSYS 42	Business Applications Development 3	3
MSYS 41	Business Applications Development 2	3	MSYS 51	Information Technology Infrastructure	3
MSYS 50	Enterprise Architecture	3	MSYS 198.1/199.1	Capstone Project 1/Thesis 1	1
ISCS 30.XX	Guided Studies in DISCS	1	MSYS MAJOR ELECTIVE	MSYS Major Elective	3
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	MGT ELECTIVE	Management Elective	3
IE 2	Interdisciplinary Elective 2	3	PHILO 13	Ethics	3
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		20(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
MSYS 197	Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 140	Data and Information Management	3	MSYS 142	Information Technology Governance	3
MSYS 141	Information Technology Project Management	3	MSYS 171	IT Security and Risk Management	3
MSYS 198.2/199.2	Capstone Project 2/Thesis 2	3	MSYS 198.3/199.3	Capstone Project 3/Thesis 3	3
MSYS MAJOR ELECTIVE	MSYS Major Elective	3	ISCS 30.XX	Guided Studies in DISCS	1
ISCS 30.XX	Guided Studies in DISCS	1	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3	TOTAL		16(0)
	TOTAL	19(0)			

Total Number of Academic Units: 170(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

CSCI 21.13 (New)

PROGRAMMING FUNDAMENTALS

1 unit

Prerequisite: MATH 30.43

This programming course builds upon the student's foundational knowledge on programming from previous courses and prepares them for more intermediate and advanced topics in the future. The students learn more programming concepts such as functions, arrays, and building graphical user interfaces. At the end of each module, students participate in a project presentation with their international peers to present their final output and share the lessons they have learned.

CSCI 21.14 (New)

OBJECT-ORIENTED PROGRAMMING

0.5 units

Prerequisite: CSCI 21.13

This course provides an introduction to Object-Oriented Programming (OOP) and its applications. Students learn the basic concepts and principles of OOP, such as classes, objects, and inheritance. A problem-based learning approach is utilized, where students are tasked to work together in groups in order complete a program written using the OOP paradigm. At the end of each module, students participate in a project presentation with their international peers to present their final output and share the lessons they have learned.

CSCI 21.15 (New)

WEB DESIGN FUNDAMENTALS

0.5 units

This course provides an introduction to web design, focusing on two of the core web technologies that are HTML and CSS. A problem-based learning approach is utilized, where students are tasked to work together in groups in order to develop a web site. At the end of each module, students participate in a project presentation with their international peers to present their final output and share the lessons they have learned.

CSCI 21.16 (New)

DATABASES AND DYNAMIC WEB APPLICATIONS

1 unit

Prerequisite: CSCI 21.15

This course introduces database systems, and teaches the students how to design and implement them. Students also learn the basics of application development using modern web technologies. All modules in the course apply the problem-based learning approach. At the end of each module, students participate in a project presentation with their international peers to present their final output and share the lessons they have learned.

MATHEMATICS

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The Department of Mathematics seeks to become a community of mathematicians and mathematics educators that takes leadership in the pursuit of excellence in mathematics teaching, research, and service.

The Mathematics Department aims to provide excellent undergraduate and graduate mathematics education to both science and non-science students that will enable them to make significant contributions to the advancement of the country; cultivate a culture of research and professionalism that will contribute to the country's progress as well as to the personal growth and development of the members of the Department; develop outstanding mathematicians, mathematics educators, and mathematics professionals who will become leaders in shaping the country's future; strengthen collaboration between mathematics and mathematics education as well as with other disciplines; encourage and advance links with business and industry; and, increase interest and commitment among students to pursue careers in mathematics.

BACHELOR OF SCIENCE IN MATHEMATICS

The BS Mathematics program gives students a solid foundation in pure mathematics, as well as extensive exposure to applied areas including actuarial science, operations research, scientific computing, statistics and finance. The rigor, analytic thinking, and creativity instilled in graduates of the program have made them leaders in academe, banking and finance, software development and insurance and management practice.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 71.1	Fundamentals of Computing I	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
				TOTAL	21(0)

		SECOND YEAR			
<u>Interession</u>		<u>Units</u>			
MATH 51.1	Discrete Mathematics	3			
FLC 11	Foreign Language and Culture 11	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 31.3	Mathematical Analysis II	3	MATH 31.4	Mathematical Analysis III	3
MATH 50.1	Elementary Number Theory	3	MATH 40.1	Linear Algebra	3
PHYS 23.01	University Physics I, Lecture	3	MATH 61.2	Elementary Probability Theory	3
PHYS 23.02	University Physics I, Laboratory	2	ArtAp 10	Art Appreciation	3
PHILO 11	Philosophy: The Human Condition	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	19(0)	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
				TOTAL	20(3)

		THIRD YEAR	
<u>Interession</u>		<u>Units</u>	
MATH 55.1	Fundamental Concepts of Mathematics	3	
ECON 110	Principles of Economics	3	
	TOTAL	6(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 62.1	Introduction to Statistical Theory	3	MATH 72.1	Ordinary Differential Equations	3
MATH 81.1	Modern Geometry I	3	MATH 80.1	Fundamental Concepts of Algebra	3
MATH 90.1	Advanced Calculus I	3	MATH 192	Undergraduate Research Seminar	1
SocSc 13	The Economy, Society, and Sustainable Development	3	MATHEMATICS ELECTIVE	Mathematics Elective	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
IE 2	Interdisciplinary Elective 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)		TOTAL	19(0)

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 71.3	Scientific Computing I	3	MATH 92.1	Complex Analysis I	3
MATH 91.1/80.2	Real Analysis I/Introduction to Galois Theory	3	MATH 199.2	Undergraduate Research in Mathematics II	2
MATH 199.1	Undergraduate Research in Mathematics I	2	MATHEMATICS ELECTIVE	Mathematics Elective	3
MATHEMATICS ELECTIVE	Mathematics Elective	3	MATHEMATICS ELECTIVE	Mathematics Elective	3
STS 10	Science, Technology, and Society	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3			
	TOTAL	20(0)		TOTAL	17(0)

Total Number of Academic Units: 166(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE / MASTER IN APPLIED MATHEMATICS WITH SPECIALIZATION IN MATHEMATICAL FINANCE

With globalization, the local financial industry has seen in recent years the need to stay on track in terms of innovations in financial products and to have the capacity to assess the risks that accompany the exposures to such products. Despite the recent financial crisis that was blamed mainly on misuse and abuse of derivatives, local banks are now broadening their portfolios by engaging in these transactions. As the banks' portfolios become more complex, there is then a greater need for more sophisticated measures of assessing their risk profiles.

The local financial industry is therefore in need of graduates who possess both the quantitative skills and the knowledge of finance and economics. The Ateneo Mathematics Department responds to this need through its Mathematical Finance program (BS/M AMF).

The BS/M AMF program is a 5-year program in applied mathematics major in mathematical finance. Students of the BS/M AMF program obtain their bachelor's degree after 4 years and then pursue a master's degree in their fifth year.

The undergraduate program has four essential components: Mathematics; Probability Theory and Statistics; Accounting, Finance and Economics; and Scientific Programming.

The graduate program includes Stochastic Calculus, Advanced Probability and Martingales, Financial Derivatives, Risk Management, Practitioners' Seminar, and electives. Aside from these courses, an essential part of the master's program is the Financial Mathematics project for local companies. This part of the curriculum aims to provide the students an exposure to the actual applications of the theories that they learned in the classroom and to assist the participating companies in doing research on financial models, risk management tools, and other mathematical modeling requirements.

Through the BS/M AMF program, the Mathematics Department produces a new generation of professionals who will ensure a stable financial industry in the country and local financial institutions able to compete in the global market.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 71.1	Fundamentals of Computing I	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
				TOTAL	21(0)

SECOND YEAR

<u>Intersession</u>		<u>Units</u>			
MATH 51.1	Discrete Mathematics	3			
FLC 11	Foreign Language and Culture 11	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 31.3	Mathematical Analysis II	3	MATH 31.4	Mathematical Analysis III	3
ACCT 115	Financial Accounting	3	MATH 40.1	Linear Algebra	3
PHYS 23.01	University Physics I, Lecture	3	MATH 61.2	Elementary Probability Theory	3
PHYS 23.02	University Physics I, Laboratory	2	FINN 115	Financial Management	3
HISTO 12	Readings in Philippine History	3	THEO 12	Theology of the Catholic Social Vision	3
PHILO 11	Philosophy: The Human Condition	3	IE 1	Interdisciplinary Elective 1 – English	3
SocSc 12	The Contemporary World	3	NSTP 11	National Service Training Program 11	(3)
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
	TOTAL	22(0)	TOTAL		20(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>			
MATH 55.1	Fundamental Concepts of Mathematics	3			
ECON 110	Principles of Economics	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 62.1	Introduction to Statistical Theory	3	MATH 62.2	Time Series and Forecasting	3
MATH 90.1	Advanced Calculus I	3	MATH 72.1	Ordinary Differential Equations	3
MATH 101.6	Theory of Interest	3	MATH 100.1	Topics in Financial Mathematics I	3
ECON 112	Intermediate Macroeconomic Theory	3	MATH 192	Undergraduate Research Seminar	1
FINN 121	Investment Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	18(0)	THEO 13	A Theology of Marriage, Family, and Vocation	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		19(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ArtAp 10	Art Appreciation	3			
FREE ELECTIVE	Free Elective	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 71.3	Scientific Computing I	3	MATH 71.4	Scientific Computing II	3
MATH 91.1	Real Analysis I	3	MATH 72.2	Partial Differential Equations	3
MATH 100.2	Topics in Financial Mathematics II	3	MATH 102.1	Topics in Operations Research	3
MATH 199.11	Undergraduate Research in Applied Mathematics I	2	MATH 199.12	Undergraduate Research in Applied Mathematics II	2
STS 10	Science, Technology, and Society	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3	FREE ELECTIVE	Free Elective	3
	TOTAL	20(0)			

TOTAL 20(0)

FIFTH YEAR

Interession

Units

MATH 232.1	Financial Derivatives I	3
MATH 271.2	Advanced Statistical Methods	3
	TOTAL	6(0)

First Semester

Units Second Semester

Units

MATH 231.4	Practitioners' Seminar	3	MATH 233.4	Financial Risk Management II	3
MATH 232.2	Financial Derivatives II	3	MATH 236.2	Stochastic Calculus II	3
MATH 233.2	Financial Risk Management I	3	MATH 298.1	Mathematical Finance Project	3
MATH 236.1	Stochastic Calculus I	3	AMF ELECTIVE	AMF Elective	3
MATH 236.4	Advanced Probability and Martingales	3	AMF ELECTIVE	AMF Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 214(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS MASTER IN DATA SCIENCE (BS AMDSC – M DSC)

The program, BS Applied Mathematics – Master in Data Science (BS AMDSc – M DSc), combines mathematics foundations and computational methods with domain understanding in various fields to help generate actionable insights from data analysis. With the rapid emergence of data science as a top profession globally, BS AMDSc – M DSc aims to address the growing demand for these skills through a five-year program of rigorous, interdisciplinary training and cutting-edge applications.

BS AMDSc – M DSc is a 5-year straight program. Students obtain their bachelor's degree BS Applied Mathematics (with Specialization in Data Science) after 4 years and, subject to the academic requirements of the program, proceed to the master's program Master in Data Science in the 5th year.

The major curriculum of the undergraduate program builds the students' foundations and competencies in mathematics, probability theory and statistics, scientific computing, and data modelling. In particular, the students learn the following through courses offered by the Mathematics Department and the Department of Information Systems and Computer Science:

- Contemporary Databases
- Computer modelling and simulation
- Artificial intelligence
- Business intelligence
- Theory of interest
- Operations research
- Data analysis statistical inference
- Regression analysis
- Time series and forecasting
- Elementary calculus, advanced calculus and real analysis
- Linear algebra, finite mathematics and probability theory
- Ordinary differential equations
- Numerical analysis
- Computing and scientific programming
- Other topics in mathematical analysis: Complex analysis and Partial differential equations

In addition, electives and required courses in economics and physics broaden the students' exposure to related fields; while an undergraduate research project allows the students to showcase and apply their learned knowledge and skills in an area of their choice.

The master's program provides further specialization in data science with strong emphasis on mathematical rigor. In particular, the students become familiar with the following areas/topics:

- Data mining
- Database programming
- Data visualization
- Pattern recognition
- Big data processing

- Advanced statistical methods
- Stochastic models
- Mathematical Analysis
- Coding theory, Graph theory and Cryptography

Aside from these courses, an essential part of the master’s program is the capstone project. This part of the curriculum aims to provide the students with the opportunity to apply the theories that they learned in the classroom and possibly meaningfully assist a partner community or institution in addressing real-life problems.

Through the BS AMDS – M DSc Program, the partnership of the Mathematics Department and the Department of Information Systems and Computer Science aims to produce a new generation of professionals who can steer the country towards developing more sophisticated technologies, and adopting sound and efficient policies through their savvy in data analytics.

Program Learning Outcomes

1. Demonstrate broad and coherent knowledge and understanding in the core areas of mathematics and allied fields.
2. Demonstrate skills in pattern recognition, generalization, abstraction, critical analysis, synthesis, problem solving and rigorous argument.
3. Demonstrate proficiency in reading and writing mathematical proofs.
4. Interpret scientific, economic, and market data in order to arrive at critical judgements that include reflection on relevant scientific and ethical issues.
5. Implement basic mathematical, statistical, and computational methods in data analysis and problem solving.
6. Communicate, both orally and in writing, information, ideas, and solutions to problems, to other scientists, decision makers, and the public.
7. Understand the limitations and implications of mathematical models as applied in real-life contexts.
8. Collaborate in research and development projects.
9. Develop creativity, rigor, and discipline in dealing with various mathematical problems.
10. Analyze data from a variety of domains ranging from Internet social networks and applications, to natural language and sensor data.
11. Apply a variety of data mining techniques for modeling data sets, handling incomplete and erroneous data, and automatically predicting and classifying elements in a dataset.
12. Apply big data processing and cloud computing techniques to address the scalability challenges of very large datasets.
13. Complete a capstone project for a partner institution that requires the creation of mathematical models and the use of appropriate technologies to carry out computations.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices And Encounters	3
FILI 12	Panitikan Ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 71.1	Fundamentals Of Computing I	3	MATH 31.1	Mathematical Analysis Ia	3
MATH 10	Mathematics In The Modern World	3	MATH 31.2	Mathematical Analysis Ib	3
SocSc 11	Understanding The Self	3	NatSc 10.01	Natural Science, Lecture	3
THEO 11	Faith, Spirituality, And The Church	3	NatSc 10.02	Natural Science, Laboratory	1

INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	HISTO 11	Rizal And The Emergence Of The Philippine Nation	3
PATHFit 1	Physical Activities Towards Health And Fitness 1	2	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
	TOTAL	20(0)	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
			TOTAL		21(0)

SECOND YEAR

Intersession

MATH 51.1	Discrete Mathematics	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	6(0)

Units

First Semester

MATH 31.3	Mathematical Analysis II	3
CSCI 112	Contemporary Databases	3
PHYS 23.01	University Physics I, Lecture	3
PHYS 23.02	University Physics I, Laboratory	2
HISTO 12	Readings in Philippine History	3
PHILO 11	Philosophy: The Human Condition	3
SocSc 12	The Contemporary World	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2
	TOTAL	22(0)

Units Second Semester

MATH 31.4	Mathematical Analysis III	3
MATH 40.1	Linear Algebra	3
MATH 61.2	Elementary Probability Theory	3
CSCI 115	Computer Simulation and Modeling	3
THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3
NSTP 11	National Service Training Program 11	(3)
PATHFit 4	Physical Activities Toward Health and Fitness 4	2
	TOTAL	20(3)

THIRD YEAR

Intersession

MATH 55.1	Fundamental Concepts of Mathematics	3
ECON 110	Principles of Economics	3
	TOTAL	6(0)

Units

First Semester

MATH 62.1	Introduction to Statistical Theory	3
MATH 90.1	Advanced Calculus I	3
MATH 101.6	Theory of Interest	3
MATHEMATICS ELECTIVE	Mathematics Elective	3
CSCI 111	Introduction to Artificial Intelligence	3
PHILO 12	Philosophy of Religion	3
	TOTAL	18(0)

Units Second Semester

MATH 62.2	Time Series and Forecasting	3
MATH 72.1	Ordinary Differential Equations	3
MATH 192	Undergraduate Research Seminar	1
CSCI 113i	Business Intelligence	3
PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	19(3)

FOURTH YEAR

Intersession

ArtAp 10	Art Appreciation	3
FREE ELECTIVE	Free Elective	3
	TOTAL	6(0)

Units

First Semester

MATH 71.3	Scientific Computing I	3
MATH 91.1	Real Analysis I	3

Units Second Semester

MATH 71.4	Scientific Computing II	3
MATH 102.1	Topics in Operations Research	3

MATH 199.11	Undergraduate Research in Applied Mathematics I	2	MATH 199.12	Undergraduate Research in Applied Mathematics II	2
STS 10	Science, Technology, and Society	3	MATHEMATICS ELECTIVE	Mathematics Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	MSYS 121i	Applied Digital Law and Ethics	3
IE 2	Interdisciplinary Elective 2	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	20(0)		TOTAL	20(0)

FIFTH YEAR

Interession

MATH 271.2	Advanced Statistical Methods	3
CSCI 217	Data Visualization	3
	TOTAL	6(0)

Units

First Semester

MATH 236.3	Topics in Stochastic Calculus	3
MATH GRAD ELECTIVE	Mathematics Grad Elective	3
CSCI 205	Programming with Databases	3
CSCI 214	Special Topics in Software Engineering: Pattern Recognition	3
CSCI 298.5	Data Science Project I	3
	TOTAL	15(0)

Units Second Semester

MATH GRAD ELECTIVE	Mathematics Grad Elective	3
MATH GRAD ELECTIVE	Mathematics Grad Elective	3
CSCI 271	Data Mining	3
CSCI 273	Big Data Processing	3
CSCI 298.6	Data Science Project II	3
	TOTAL	15(0)

Total Number of Academic Units: 214(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

MATH 30.43 (New)

APPLIED CALCULUS FOR INTEGRATED ENGINEERING I

3 units

This course discusses the basic concepts of set theory and its operations applied to the set of numbers. It then discusses fundamental operations in algebra, introduces different functions, their domains, and their graphs. Limiting values of functions are also introduced, and common differentiation techniques are discussed. Finally, some common spreadsheet techniques and algorithmic thinking are introduced.

MATH 30.44 (New)

APPLIED CALCULUS FOR INTEGRATED ENGINEERING II

1 unit

This course covers indeterminate forms and integral calculus. This course discusses techniques and methods in integration and its applications such as solving for the area between regions, volume of solids, finding centres of gravity, and other applications in science and engineering. Topics in multivariable calculus are also discussed.

MATH 30.45 (New)

APPLIED CALCULUS FOR INTEGRATED ENGINEERING III

1.5 units

This course discusses series convergence using the radius of convergence of an infinite series. Functions being represented as infinite series are discussed, as well as calculus operations on infinite series are taught. The course then continues to multiple integration in the rectangular and polar coordinates. Finally, laplace transforms used to solve for ordinary differential equations are also explored.

MATH 40.6 (New)

TOPICS IN COMPLEX ANALYSIS AND LINEAR ALGEBRA FOR ENGINEERING

1.5 units

In this course, topics in complex algebra and analysis are discussed. Transformation from Argand to polar coordinates, solving for complex roots, functions of complex numbers, differentiation of functions are elaborated. Also discussed are topics in linear algebra, common matrix operations, and the inverse of a matrix are discussed. Finally, Python is used to demonstrate concepts in both complex and linear algebra.

MATH 102.3 (New)

Operations Research for Engineering

0.5 unit

This course covers different techniques in optimisation in the presence of constraints. This course is an application of mathematical methods in optimization and decision-making problems. The modules in the course apply the problem-based learning approach. At the end of each module, students participate in a capstone presentation with their international peers to present and share their output and learnings.

PHYSICS

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The Department of Physics seeks to be an internationally recognized Jesuit center of excellence in physics teaching and research in the service of society. We envision a department that shall address key issues in earth systems physics, physics for sustainable development, and physics education.

The department engages in relevant scientific endeavors in the fields of atmospheric physics, geophysics, materials science, photonics, theoretical physics, vacuum and plasma technology, and physics education. Through our collaborative, vibrant, and collegial faculty, we form scientists of competence and compassion who empower society.

BACHELOR OF SCIENCE IN PHYSICS

This is a four-year program for students interested in acquiring the necessary knowledge and skills to do research in either theoretical and/or experimental physics. The aim is for students to gain a more in-depth familiarity with some of the most important concepts in physics and also develop skills in performing physics experiments. The program requires a submission and successful defense of a research thesis during the fourth year. The thesis can either be in theoretical or experimental physics, and in any of the fields of specialization of the Department: atmospheric physics, geophysics, optics and photonics, plasma physics, vacuum technology, materials science, physics education, and theoretical physics.

Students who graduate from the BS PS program will have a deeper understanding of physical laws, and, thus, possess analytical problem-solving skills useful in a variety of real-world situations. Through their exposure to rigorous mathematical training and exhaustive experimentation, our graduates will be able to competently understand emerging technologies, model financial systems & dynamics, analyze industrial and engineering processes, and pioneer and develop world-changing ideas.

Program Learning Outcomes

Students who graduate from the BS PS program will have a deeper understanding of physical laws and have access to analytical problem-solving skills. Through their exposure to rigorous mathematical training and experimentation, our graduates will be able to competently understand emerging technologies, model financial dynamics, analyze industrial processes, and develop world-changing ideas.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	PHYS 31.01	Analytical Physics I, Lecture	3
CHEM 21.11	General Chemistry I, Lecture	3	PHYS 31.02	Analytical Physics I, Laboratory	1
CHEM 21.12	General Chemistry I, Laboratory	2	MATH 31.1	Mathematical Analysis 1A	3
SocSc 11	Understanding the Self	3	MATH 31.2	Mathematical Analysis 1B	3
THEO 11	Faith, Spirituality, and the Church	3	ENGG 10	Engineering Workshop and Practices	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introductions to Ateneo Culture and Traditions 12	(0)
	TOTAL	22(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
			TOTAL		22(0)

SECOND YEAR		
<u>Intersession</u>	<u>Units</u>	
PHYS 111	Mathematical Physics I	3
ArtAp 10	Art Appreciation	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHYS 32.01	Analytical Physics II, Lecture	3	PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 32.02	Analytical Physics II, Laboratory	1	PHYS 33.02	Analytical Physics III, Laboratory	1
PHYS 112	Mathematical Physics II	3	PHYS 113	Mathematical Physics III	3
MATH 31.3	Mathematical Analysis II	3	PHYS 114	Mathematical Physics IV	3
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 2	Interdisciplinary Elective 2	3	STS 10	Science, Technology, and Society	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	21(0)	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
			TOTAL		21(3)

THIRD YEAR

<u>Interession</u>		<u>Units</u>
PHYS 34.01	Analytical Physics IV, Lecture	3
PHYS 34.02	Analytical Physics IV, Laboratory	1
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	7(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHYS 121	Classical Mechanics I	3	PHYS 122	Classical Mechanics II	3
PHYS 131	Electromagnetics	3	PHYS 132	Electromagnetic Energy Transfer	3
PHYS 161.01	Physical Electronics, Lecture	3	PHYS 141	Introduction to Quantum Mechanics I	3
PHYS 161.02	Physical Electronics, Laboratory	1	PHYS 199.2	Undergraduate Thesis II	1
PHYS 199.1	Undergraduate Thesis I	2	ENGG 30.30	Introduction to Programming for Scientists	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
FREE ELECTIVE	Free Elective	3	NSTP 12	National Service Training Program 12	(3)
	TOTAL	21(0)	TOTAL		19(3)

FOURTH YEAR

<u>Interession</u>		<u>Units</u>
PHYS 197	Physics in Society with Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHYS 135.01	Optics, Lecture	3	PHYS 199.4	Undergraduate Thesis IV	2
PHYS 135.02	Optics, Laboratory	1	PHYS ELECTIVE	Physics Elective	3
PHYS 151	Introductory Thermodynamics and Statistical Mechanics	3	PHYS ELECTIVE	Physics Elective	3
PHYS 162.01i	Computational Physics, Lecture	3	FREE ELECTIVE	Free Elective	3
PHYS 162.02	Computational Physics, Laboratory	1	FREE ELECTIVE	Free Elective	3
PHYS 199.3	Undergraduate Thesis III	1	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	TOTAL		17(0)
	TOTAL	18(0)			

Total Number of Academic Units: 180(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN APPLIED PHYSICS – BACHELOR OF SCIENCE IN MATERIALS SCIENCE ENGINEERING

This is a double-degree program for students interested in acquiring the necessary knowledge and skills to do research in both applied physics and materials science engineering. The program integrates knowledge and tools from chemistry and physics with principles from engineering that allows students to design, fabricate, implement, and characterize improved and novel materials. As a dual program, it requires the submission and successful defense of two research outputs: a thesis for the applied physics degree and a project for the materials science and engineering degree.

The BS APS MSE is a 4.5 year program. This constitutes 4 years, one intersession term, and one semester. The student completes a BS APS degree after four years and a BS MSE after an additional intersession and semester. Students have the option to take a minor in another field (e.g. Philosophy, Economics, Creative Writing, etc.) extending into the second semester of the last year.

Students who graduate from the BS APS MSE program will have acquired the knowledge and skills from the physical sciences, materials science and engineering to optimally develop solutions to existing problems involving materials in a wide variety of fields including but not limited to medicine, electronics, computer technology, manufacturing, agriculture, disaster management, and infrastructure to name a few.

Program Learning Outcomes

The BS APS-MSE program integrates the knowledge and tools of chemistry and physics with engineering principles to design, fabricate, and characterize novel materials. This integration gives graduates of the BS APS-MSE program the requisite competencies needed for global competitiveness in the field of materials science and engineering research.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	PHYS 31.01	Analytical Physics I, Lecture	3
CHEM 21.11	General Chemistry I, Lecture	3	PHYS 31.02	Analytical Physics I, Laboratory	1
CHEM 21.12	General Chemistry I, Laboratory	2	MATH 31.1	Mathematical Analysis 1A	3
SocSc 11	Understanding the Self	3	MATH 31.2	Mathematical Analysis 1B	3
THEO 11	Faith, Spirituality, and the Church	3	ENGG 10	Engineering Workshop and Practices	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PATHFit 1	Physical Activities Toward Health and Fitness 1	2	INTACT 12	Introductions to Ateneo Culture and Traditions 12	(0)
	TOTAL	22(0)	PATHFit 2	Physical Activities Toward Health and Fitness 2	2
				TOTAL	22(0)

		SECOND YEAR	
<u>Intersession</u>		<u>Units</u>	
PHYS 111	Mathematical Physics I	3	
ArtAp 10	Art Appreciation	3	

FLC 11	Foreign Language and Culture 11	3			
	TOTAL	9(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHYS 32.01	Analytical Physics II, Lecture	3	PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 32.02	Analytical Physics II, Laboratory	1	PHYS 33.02	Analytical Physics III, Laboratory	1
PHYS 112	Mathematical Physics II	3	PHYS 113	Mathematical Physics III	3
CHEM 43.11	Survey of Organic Chemistry, Lecture	3	PHYS 114	Mathematical Physics IV	3
CHEM 43.12	Survey of Organic Chemistry, Laboratory	2	ENGG 11	Computer-aided Drafting	1
MATH 31.3	Mathematical Analysis II	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Toward Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	23(0)	PATHFit 4	Physical Activities Toward Health and Fitness 4	2
			TOTAL		22(3)

THIRD YEAR

<u>Intersession</u>		<u>Units</u>
PHYS 34.01	Analytical Physics IV, Lecture	3
PHYS 34.02	Analytical Physics IV, Laboratory	1
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	7(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHYS 121	Classical Mechanics I	3	PHYS 132	Electromagnetic Energy Transfer	3
PHYS 131	Electromagnetics	3	PHYS 141	Introduction to Quantum Mechanics I	3
PHYS 161.01	Physical Electronics, Lecture	3	PHYS 199.2	Undergraduate Thesis II	1
PHYS 161.02	Physical Electronics, Laboratory	1	ENGG 30.30	Introduction to Programming for Scientists	3
PHYS 199.1	Undergraduate Thesis I	2	MATSE 102	Principles of Materials Science and Engineering II	3
MATSE 101	Principles of Materials Science and Engineering I	3	SocSc 13	The Economy, Society, and Sustainable Development	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	NSTP 12	National Service Training Program 12	(3)
	TOTAL	21(0)	TOTAL		19(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
PHYS 197	Physics in Society with Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHYS 151	Introductory Thermodynamics and Statistical Mechanics	3	PHYS 199.4	Undergraduate Thesis IV	2
PHYS 162.01i	Computational Physics, Lecture	3	MATSE 106.2	Materials and Testing Laboratory II	3
PHYS 162.02	Computational Physics, Laboratory	1	MATSE 121.01	Polymeric Materials, Lecture	3
PHYS 199.3	Undergraduate Thesis III	1	MATSE 121.02	Polymeric Materials, Laboratory	1
MATSE 106.1i	Materials and Testing Laboratory I	3	IE3: MATSE 160i SERIES	MATSE 160i Series	3

IE 2: MATSE 111i SERIES	Interdisciplinary elective: MATSE 111i Series	3	MATSE 161	Engineering Management	2
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	17(0)		TOTAL	17(0)

FIFTH YEAR

Intersession

Units

MATSE 199.1	Materials Research Project I	3
	TOTAL	3(0)

First Semester

Units

MATSE 131	Ceramic Materials	3
MATSE 141	Electronic Materials	3
MATSE 151	Engineering Composites	3
MATSE 199.2	Materials Research Project II	3
MATSE ELEC	Materials Science and Engineering Elective	3
MATSE ELEC	Materials Science and Engineering Elective	3
	TOTAL	18(0)

Total Number of Academic Units: 203(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

PHYS 41.33 (New)

FLUID STATICS AND MATERIALS SCIENCE FOR ENGINEERING DESIGN

1 unit

Prerequisite: MATSE 100.2

This course covers the required theoretical and experimental knowledge in the study of polymer and composite materials, as well as that of fluid statics and mechanics. Students learn to define different properties of polymers and composites, explain their chemical functions, and select the appropriate manufacturing techniques. They also acquire practical and critical skills to design solutions that improve ship buoyancy, conduct literature reviews, and present solutions using appropriate tools.

PHYS 41.34 (New)

FLUID MECHANICS AND MATERIAL TREATMENTS FOR ENGINEERING APPLICATIONS

2 units

This course provides theoretical and experimental knowledge in energetics, microstructure and phase diagrams, corrosion and aging of materials, similitude, and materials treatment. Students explain Euler and Lagrange representations, pressure losses, the Reynolds number, and Bernoulli's principle. Students gain practical skills in characterizing the constitution of an alloy, experimental characterization of a network or element, and choosing treatments to adapt materials to a given application.

PHYS 42.33 (New)

APPLIED THERMODYNAMICS AND METALLIC MATERIALS PRODUCTION

1 unit

Prerequisite: PHYS 41.33

This course provides students with technological knowledge on the production of metallic materials, as well as an understanding of basic thermodynamics and its applications in thermal machine cycles. Students also learn to recognize the composition of materials from their designations and integrate environmental issues into the choice of materials. Additionally, students master the use of the ThermoOptim software to model and analyze thermodynamic cycles. The course concludes with a focus on the ability to translate and extract relevant information and model new cycles from foreign language documents.

PHYS 199.1 (Revised)

UNDERGRADUATE THESIS I

2 units

Prerequisite: PHYS 34.01, PHYS 113, and PHYS 114

This is the first of four undergraduate thesis courses leading to the senior physics thesis. In this 2-unit course, the student is expected to define his/her thesis topic, conduct appropriate literature review, and perform initial experiments to show the viability of the chosen topic. The student then writes a thesis proposal and presents it before selected panelists, students, and faculty members of the Department of Physics.

DR. ROSITA G. LEONG
SCHOOL of
SOCIAL SCIENCES

Dr. Czarina A. Saloma-Akpedonu
Dean

CHINESE STUDIES

Ricardo & Dr. Rosita Leong Hall, Rm 200
(632) 8426-6001 loc. 5208/5209
chinesestudies.soss@ateneo.edu

The Chinese Studies Program seeks to impart knowledge and develop expertise in Chinese studies in order to: improve the relations between the Philippines and China through a better understanding of China; promote more harmonious relations between ethnic Chinese and larger Filipino communities; increase the understanding of the Chinese heritage of Philippine culture; and promote Ateneo's vision of person-for-others through the teaching of certain Chinese values.

This vision is achieved by teaching Chinese language and culture and Chinese studies-related courses in cooperation with other departments in the School of Social Sciences and with other Loyola tertiary schools; conducting research in Chinese studies independently, in cooperation, or in coordination with other units within or outside the University; and serving as a link to the Philippine community through its cooperation with other institutions or organizations and its sponsorship of public fora on issues related to Chinese studies.

BACHELOR OF ARTS IN CHINESE STUDIES

The program offers a comprehensive knowledge of Mandarin Chinese and an understanding of Chinese history and culture. The *Specialization in Business* covers the fundamentals of business in a Chinese context. The *Specialization in Arts and Culture* focuses on aesthetic theories and the literature and arts of China. The *Specialization in Social Sciences* provides a broad introduction to the social realities in China and frameworks for analyzing them.

Students who choose the Junior Year Abroad will have three semesters during their third year: April to July at ADMU, August to December (Fall Term) and February to May (Spring Term) at The Jesuit Beijing Center for Chinese Studies (TBC) or Peking University in Beijing, China.

Program Learning Outcomes

The Bachelor of Arts in Chinese Studies is an interdisciplinary and area study focusing on the political, economic, cultural and social dynamics of China. It is the only academic program in the Philippines dedicated to the study of China. It has three specializations – Business, Humanities and Social Sciences which caters to students’ interest, thus providing students the opportunity to pursue and specialize on their choice. Students are also required to take five levels of Chinese Mandarin language course to enhance their learning.

The Chinese Studies Program specified the following degree program outcomes. The ideal Ateneo graduate of AB Chinese Studies is someone who:

- a) Understands China and its neighboring countries – its integration, institutions, principles and policies;
- b) Examines and assesses China’s impact in world affairs and in the further integration of the Asia-Pacific region;
- c) Critically evaluates China-Philippine political, economic, social and cultural relations;
- d) Applies economic, political and cultural concepts and methods applicable in doing research on China;
- e) Participates and discusses the implications of China foreign policy on Philippines; and
- f) Develops confidence, competence and proficiency in the use of Mandarin language that will enhance their employability in the academe, business, government, non-government organizations, and international organizations.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSP 90	History of China	3	CSP 11	Chinese Mandarin and Culture 1	3
MATH 10	Mathematics in the Modern World	3	CSP 90.15	History of China: Late Ch’ing to Early 21st Century	3
Histo 11	Understanding the Self	3	SocSc 11	Understanding the Self	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20 (0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
				TOTAL	21 (0)

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSP 41	Chinese Literature: From Tradition to Global Influence	3	CSP 13	Intermediate Chinese 1	3
CSP 35	Introduction to Chinese Society	3	CSP 32	Government and Politics of China	3
CSP 12	Chinese Mandarin and Culture 2	3	CSP 57	CROSS CULTURAL COMMUNICATION IN A CHINESE CONTEXT	
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	STS 10	Science, Technology, and Society	3
ArtAp 10	Art Appreciation	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20 (0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
			TOTAL		20 (3)

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSP 14	Chinese Composition: Official Documentation	3	CSP 15	Intermediate Chinese 3	3
CSP ELECTIVE	Chinese Studies Program Elective	3	CSP ELECTIVE	Chinese Studies Program Elective	3
CSP 31	Modern Chinese Economy	3	CSP ELECTIVE	Chinese Studies Program Elective	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSP 73	Contemporary Chinese Art: An Introduction	3	CSP ELECTIVE	Chinese Studies Program Elective	3
CSP 40	Chinese Philosophy	3	CSP 199	Research In Chinese Studies	3
CSP 16	Practical Chinese For Business	3	CSP ELECTIVE	Chinese Studies Program Elective	3
CSP 192	Research Methods	3	DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3
CSP ELECTIVE	Chinese Studies Program Elective	3	IE 4	Interdisciplinary Elective 4	3
SocSc 14	Politics, Governance, And Citizenship	3	IE 3	Interdisciplinary Elective 3	3
TOTAL		18(0)	TOTAL		18(0)

Total Number of Academic Units: 153(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

CSP 35 (Revised)

INTRODUCTION TO CHINESE SOCIETY

3 units

This course introduces students to the multifaceted and rapidly evolving society of contemporary China, specifically its culture, dynamics, and its impact on the global stage. Drawing from historical, cultural, political, and sociological perspectives, the course introduces students to theoretical tools necessary to study Chinese society through the lenses of globalization and modernization.

CSP 41 (Revised)

CHINESE LITERATURE: FROM TRADITION TO GLOBAL INFLUENCE

3 units

This course is a survey of Chinese literature translated into English. Through close reading and analysis of the earliest writings, to the medieval and late imperial periods, up to the literature of global China, the course provides a gateway to understanding the cultural, historical, and artistic dimensions of Chinese literature.

CSP 12 (Revised)

CHINESE MANDARIN AND CULTURE 2

3 units

Prerequisite: CSP 11

The course deepens students' understanding and proficiency in Chinese while expanding their knowledge of Chinese culture. It focuses on conversational fluency, with increased focus on complex grammatical structures, and expanded vocabulary.

CSP 13 (Revised)

CHINESE COMPOSITION: NAVIGATING INFORMAL TO FORMAL DISCOURSE

3 units

Prerequisite: CSP 12

The course explores the stylistic and structural nuances of writing in Chinese across a spectrum of contexts, excluding public and governmental documents. This course guides students from crafting casual conversations to composing sophisticated formal essays and reports, emphasizing clarity, coherence, and appropriate style.

CSP 14 (Revised)

CHINESE COMPOSITION: OFFICIAL DOCUMENTATION

3 units

Prerequisite: CSP 12

The course equips students with the specialized language skills required for composing, understanding, and analyzing official documents within the Chinese bureaucratic and governmental framework. The curriculum provides thorough grounding in the formal linguistic conventions, terminology, and formats unique to public and governmental texts.

CSP 15 (Revised)

LINGUISTIC EXPLORATIONS IN MODERN CHINESE LITERARY FORMS

3 units

Prerequisite: CSP 12

This course explores the linguistic artistry of modern Chinese literature, from the elegance of narrative construction, the cadence of poetry, and the intricacies of prose. As a scholarly conduit for appreciating the evolution and function of language in seminal Chinese literary works from the 20th century to the contemporary period, this course integrates text analysis with immersive language exercises to cultivate students' Chinese language proficiency and develop a sophisticated appreciation for the nuances of literary tone, stylistic elegance, and structural composition.

CSP 16 (Revised)

PRACTICAL CHINESE FOR BUSINESS

3 units

Prerequisite: CSP 12

This course offers a focused exploration of Mandarin Chinese for business, blending practical business conversation and negotiation skills with the construction and analysis of business-related texts. Students navigate both simplified and traditional characters, enhancing their linguistic versatility in professional contexts.

CSP 199 (Revised)

RESEARCH IN CHINESE STUDIES

3 units

Prerequisite: CSP 192 or equivalent

This course is designed as the culmination of the Chinese Studies Program. With the guidance of a faculty member, students complete a research paper on a Chinese business, humanities, or social science topic.

COMMUNICATION

3/F Social Sciences Building
(632) 8426-6001 loc. 5210
communication.soss@ateneo.edu

The Department of Communication at the Ateneo de Manila seeks to be a center for excellence in multimedia communication education and scholarship in Asia. Its programs and initiatives form ethically grounded, socially oriented media practitioners and scholars in line with the communication apostolate of the Society of Jesus. Its courses prepare students for careers in the creative industries in Asia by developing in them the competencies to communicate skillfully, creatively and professionally across a wide range of media forms, technologies and practices. Its research and creative work inform responsible media practice in Asia by generating knowledge of and promoting discourse on local and regional communication realities through theoretically informed, empirically grounded and multi-disciplinary perspectives.

The Department seeks to form students in the field of communication, information and media, to use their God-given talent in the field of communication for the service of the faith and the promotion of justice.

BACHELOR OF ARTS IN COMMUNICATION

The Bachelor of Arts in Communication program enables students to engage with the constantly changing landscape of contemporary communication and media by offering an interdisciplinary curriculum composed of flexible tracks of studies in specialized communication fields. These are: image and sound production, journalism, film and media studies, and advertising and public relations. Grounded on a foundation of communication and media theory, research, and ethics; undergraduate students specialize in one of these tracks of study and follow a progression of courses that may be customized to his or her interest in the field. The program also includes an intersession practicum entailing professional experience in communication-related institutions and the crafting of a thesis as the culmination of their academic work.

The program equips students with the capabilities, creativity, vision, and values to pursue careers in multimedia and digital video production, print, broadcast and new media journalism, communication education, advertising, public relations, and other careers where creativity, leadership, and an acute understanding of communication is essential.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices And Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan Ng Pilipinas	3
HISTO 11	Rizal And The Emergence Of The Philippine Nation	3	FLC 11	Foreign Language And Culture 11	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics In The Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	COMM 21	Media And Society	3
COMM 20	Communication Theory	3	THEO 11	Faith, Spirituality, And The Church	3
SocSc 11	Understanding The Self	3	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
PATHFit 1	Physical Activities Towards Health And Fitness 1	2			
	TOTAL	21 (0)		TOTAL	20(0)

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
COMM REQUIRED COURSE	Communication Required Course	3	COMM ELECTIVE	Communication Elective	3
COMM REQUIRED COURSE	Communication Required Course	3	HISTO 12	Readings In Philippine History	3
PHILO 11	Philosophy: The Human Condition	3	IE 1	Interdisciplinary Elective 1 - English	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
COMM 111	Creativity And Problem Awareness	3	COMM ELECTIVE	Communication Elective	3
STS 10	Science, Technology, And Society	3	THEO 12	Theology Of The Catholic Social Vision	3
PATHFit 3	Physical Activities Towards Health And Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20(0)	PATHFit 4	Physical Activities Towards Health And Fitness 4	
				TOTAL	20(3)

		THIRD YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHILO 13	Ethics	3	COMM 24	Science And Risk Communication	3
COMM 193/ COMM 194	Quantitative Methods In Communication Research/Qualitative Methods In Communication Research	3	COMM 193/ COMM 194	Quantitative Methods In Communication Research/Qualitative Methods In Communication Research	3
SocSc 13	The Economy, Society, And Sustainable Development	3	COMM 190	Communication Seminar: Contemporary Issues In Communication	3
COMM ELECTIVE	Communication Elective	3	PHILO 12	Philosophy Of Religion	3
COMM 23	Communication For Social Change	3	THEO 13	A Theology Of Marriage, Family, And Vocation	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		15(0)
	TOTAL	15(3)			

		FOURTH YEAR	
<u>Interession</u>		<u>Units</u>	
COMM 197	Practicum	3	
	TOTAL	3(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FREE ELECTIVE	Free Elective	3	SocSc 14	Politics, Governance, And Citizenship	3
COMM ELECTIVE	Communication Elective	3	COMM 199.2	Communication Thesis 2	3
COMM 199.1	Communication Thesis 1	3	COMM 22	Media Law And Ethics	3
DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3	COMM 25	Communication Management And Entrepreneurship	3
IE 2	Interdisciplinary Elective 2	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 144(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

COMM 32 (Revised)

AUDIENCE AND CONSUMER RESEARCH

3 units

This course provides research approaches and skills to understand media audiences and consumers. Students learn how to generate insights into audience and consumer behavior, practices and experiences and apply such knowledge in developing communication and media plans, interventions and products.

COMM 114 (New)

ADVOCACY COMMUNICATION

3 units

The course is designed to enhance one's communication skills within the context of advocacy work. It offers a hands-on, interactive approach, guiding students through each aspect of advocacy work while teaching them to integrate communication skills into advocacy work seamlessly. Through a mix of conceptual and practical approaches, students learn how to approach advocacy interventions, lead and manage conversations, craft compelling scripts, deliver powerful performances, and lead with confidence in their chosen advocacies.

COMM 120.1 (New)

FEMINIST MEDIA STUDIES

3 units

This course situates the study of gender and media within a feminist framework. It takes a cultural and critical approach, emphasizing how gender interacts with other social dimensions like sexuality, class, race, and ethnicity and how their relationships are represented in media texts and industries. It also looks at these dynamics in relation to different media constructions of feminisms. In introducing students to gendered discourses within local and global media cultures, the course invites them to integrate theory and practice, with the goal of ultimately making media representations and industries more just.

COMM 121 (Revised)

GLOBAL MEDIA CULTURES

3 units

The course examines the production, reception, and circulation of media from different global centers through interdisciplinary, critical, and historical modes of inquiry. In so doing, it sheds light on the consumption of global media products and the cultural, socio-economic and political consequences of their circulation.

COMM 192 (Revised)

TEXTUAL AND VISUAL METHODS IN COMMUNICATION RESEARCH

3 units

Prerequisite: COMM 21 or COMM 120

This course introduces students to approaches in researching textual, visual and multimodal contents and forms. It tackles the premises and procedures of text/discourse, visual and multimodal analysis. Students apply the research methods by conducting a small-scale study.

DEVELOPMENT STUDIES

Ricardo & Dr. Rosita Leong Hall, Room 408
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The Development Studies Program seeks to form development professionals who effectively contribute to the continuing effort to improve Philippine society.

The Department provides an interdisciplinary program of studies for undergraduate students that is ever responsive to the changing human resource requirements of Philippine development.

BACHELOR OF ARTS IN DEVELOPMENT STUDIES

Development Studies is a program designed for students who want to make a positive difference in society by addressing social problems like poverty, public health, climate change, disaster, and exclusion. Students are exposed to different perspectives and practical interventions to understand and confront the complex challenges of social transformation. The program employs a multidisciplinary approach, harnessing insights from economics, political science, and sociology. Students also acquire practical skills in social research and management to design, implement, and evaluate development interventions.

Program Learning Outcomes

The Development Studies Program envisions its graduates to be thought leaders, investigators, and interventionists. These three are very much aligned with the cluster of course that constitute our BA degree.

We want our students to become thought leaders in development studies through our perspectival courses: DEV 100.1 (economics), DEV 100.2 (sociology), and DEV 100.3 (politics). These three courses are meant for students to familiarize themselves with classical and contemporary theories of development.

Our students need to be comfortable in conducting social research as well. Much of development work needs to be empirical and evidence-based, whether in terms of assessing social issues or evaluating the impact of community-based projects. For this reason we offer quantitative methods (DEV 193.2), qualitative methods (DEV 194). Students also write their theses individually, whether research-based or project-based. Writing the thesis spans two semesters in the final year.

Finally, DS graduates should also be effective interventionists in the community. A big proportion of our majors and electives are in fact oriented to development management. These are courses that expose students to various stages of development work.

Taken together, the different cluster of course in DS prepare students to:

- a. Exemplify a nuanced understanding of development as a complex concept by being able to explain different approaches and perspectives;
- b. Demonstrate proficiency in conducting research by adopting appropriate methods for specific contexts and concerns;
- c. Identify and apply necessary skills and tools in effecting change in communities;
- d. Exercise community leadership by engaging different stakeholders for the pursuit of common development goals;
- e. Maintaining reflexivity by being comprehensively aware of the needs of the community, the relationships of power in operation, and the need for humility in development work.

FIRST YEAR					
First Semester		Units	Second Semester		Units
ENLIT 12	Literature: Global Voices And Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan Ng Pilipinas	3
FLC 11	Foreign Language And Culture 11	3	MATH 10	Mathematics In The Modern World	3
NatSc 10.01	Natural Science, Lecture	3	DEV 100.1	Perspectives In Development: Economics	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding The Self	3
HISTO 11	Rizal And The Emergence Of The Philippine Nation	3	THEO 11	Faith, Spirituality, And The Church	3
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health And Fitness 1	2	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
TOTAL		18(0)	TOTAL		20(0)

SECOND YEAR					
First Semester		Units	Second Semester		Units
DEV 100.2	Perspectives In Development: Politics	3	DEV 105i	Survey Of Social Development Approaches	3
DEV 194	Qualitative Research Methods	3	ArtAp 10	Art Appreciation	3
DEV 193.1	Statistics For Development	3	DEV 100.3	Perspectives In Development: Sociology	3
SocSc 12	The Contemporary World	3	HISTO 12	Readings In Philippine History	3
STS 10	Science, Technology, And Society	3	DEV 193.2	Quantitative Research Methods	3
THEO 12	Theology Of The Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health And Fitness 4	2
PATHFit 3	Physical Activities Towards Health And Fitness 3	2	TOTAL		20(0)
TOTAL		20(3)			

THIRD YEAR					
First Semester		Units	Second Semester		Units
IE 2	Interdisciplinary Elective 2	3	DEV 107	Project Management	3
DEV 106.1i	Community Development And Social Change	3	PHILO 12	Philosophy Of Religion	3
DEV 108	Communication For Development	3	IE 1	Interdisciplinary Elective 1 - English	3
SocSc 13	The Economy, Society, And Sustainable Development	3	THEO 13	A Theology Of Marriage, Family, And Vocation	3
PHILO 13	Ethics	3	MAJOR ELECTIVE	Major Elective	3
MAJOR ELECTIVE	Major Elective	3	MAJOR ELECTIVE	Major Elective	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
TOTAL		18(3)			

FOURTH YEAR		Units
Intersession		
DEV 197.1	Practicum in Social Development	3
TOTAL		3(0)

First Semester		Units	Second Semester		Units
FREE ELECTIVE	Free Elective	3	DEV 198.2	Field Specialization	3
DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3	IE 3	Interdisciplinary Elective 3	3

DEV 198.1	Research In Development Issues	3	SocSc 14	Politics, Governance, And Citizenship	3
Major Elective	Major Elective	3	DEV 109	Institutions And Development	3
Major Elective	Major Elective	3,	Major Elective	Major Elective	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 147(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

DEV 186.88 (New)

CORPORATE SOCIAL RESPONSIBILITY AND SUSTAINABLE DEVELOPMENT

1 unit

This course discusses the history of Corporate Social Responsibility, its rationale, current trends both internationally and locally, actual practices, and implementation issues. This course applies these principles to new contested areas concerning the use of marine and energy, such as in South China Sea or the Arctic Region.

ECONOMICS

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The Economics Department seeks to build on what it has accomplished in the area of teaching and research in order to become a leading institution in the discipline; strengthen its mission to teach and train students in economic analysis and methodology in order to develop individuals who can contribute effectively to policy formulation, basic and advanced teaching in economics and research; and, To develop further its capability and expertise in theory and empirical research, directed to the generation and communication of new knowledge and ideas in economics and to the effective design of policy in the country.

BACHELOR OF ARTS IN ECONOMICS

Economics is a scientific field of study fit for those who will occupy positions of authority and responsibility in business and public life. It enables the student to have a firm understanding of the workings of the economy: the roles of business and finance, the process of economic development, and the global economic integration of countries, to name a few. The training is rigorous and practical enough to be applied in everyday life.

Graduates of the program enjoy great flexibility in career options. Many have gone into the private business sector as experts in finance (such as securities trading and investment banking) and as project specialists working for prestigious local and multinational companies (such as land development and corporate planning.) The beauty of the program is that it also prepares students for other career options in government service, socially-oriented jobs (such as working for local and international NGOs), and in international development organizations. The program has also benefited many students who have gone on to earn an MBA or enter the law profession. Other graduates have gone on to pursue master's degrees and doctoral studies in economics in the Philippines and abroad.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 21	University Pre-calculus	3	SocSc 11	Understanding the Self	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.01	Natural Science, Lecture	3	STS 10	Science, Technology, And Society	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20 (0)
	TOTAL	21 (0)			

SECOND YEAR					
<u>Intersession</u>		<u>Units</u>			
MATH 30.14	Applied Calculus For Business And Economics II	3			
IE 1	Interdisciplinary Elective 1 - English	3			
	TOTAL	6 (0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ArtAp 10	Art Appreciation	FLC 11	Foreign Language And Culture 11		3
SocSc 12	The Contemporary World	ECON 112	Intermediate Macroeconomic Theory		3
ECON 111	Intermediate Microeconomic Theory	HISTO 12	Readings In Philippine History		3
FAA 101	Financial Accounting	PHILO 11	Philosophy: The Human Condition		3
THEO 12	Theology Of The Catholic Social Vision	ECON 116	Statistics For Economists		3
NSTP 11	National Service Training Program 11	PATHFit 4	Physical Activities Towards Health And Fitness 4		2
PATHFit 3	Physical Activities Towards Health And				

Fitness 3				
TOTAL		17(3)	TOTAL	17(0)

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IE 2	Interdisciplinary Elective 2	3	FE	Free Elective	3
ECON 117.01	Introduction To Econometrics I, Lecture	3	ECON 118.01	Introduction To Econometrics Ii, Lecture	3
ECON 117.02	Introduction To Econometrics I, Laboratory	1	ECON 118.02	Introduction To Econometrics Ii, Laboratory	1
PHILO 13	Ethics	3	PHILO 12	Philosophy Of Religion	3
ECON 115	Introduction To Mathematical Economics	3	ECON 121	Development Economics	3
THEO 13	A Theology Of Marriage, Family, And Vocation	3	ECON ELECTIVE	Economics Elective	3
ECON 114/122/150	International Finance/International Trade/Economics Of Public Finance	3	NSTP 12	National Service Training Program 12	(3)
			ECON 114/122/150	International Finance/ International Trade/ Economics Of Public Finance	3
TOTAL		19(0)	TOTAL		19(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ECON 197	Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FREE ELECTIVE	Free Elective	3	FREE ELECTIVE	Free Elective	3
ECON ELECTIVE	Economics Elective	3	ECON ELECTIVE	Economics Elective	3
ECON ELECTIVE	Economics Elective	3	SocSc 14	Politics, Governance, And Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3	ECON ELECTIVE	Economics Elective	3
ECON 199	Economic Research	3	IE 3	Interdisciplinary Elective 3	3
TOTAL		15(0)	TOTAL		15(0)

Total Number of Academic Units: 152(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF ARTS IN ECONOMICS (HONORS PROGRAM)

The Honors Program in Economics is designed for the select few who can hurdle the rigorous training in economics and quantitative methods that the program provides. It is intended for the student who wants to become a specialist and plans to have a career as a professional economist. In addition to the courses taken in the Standard program, the Honors program requires additional courses in mathematics and statistics and requires more rigorous research tooling students for graduate studies in economics.

Graduates of the Honors program have gone on to become specialists in business, finance, and the academe. Others enjoy successful careers in government as development specialists and policy makers.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENLIT 12	Literature: Global Voices And Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan Ng Pilipinas	3
MATH 10	Mathematics In The Modern World	3	MATH 31.1	Mathematical Analysis Ia	3
MATH 21	University Precalculus	3	MATH 31.2	Mathematical Analysis Ib	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding The Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, And The Church	3
HISTO 11	Rizal And The Emergence Of The Philippine Nation	3	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
PATHFit 1	Physical Activities Towards Health And Fitness 1	2			
	TOTAL	21(0)		TOTAL	20(0)
SECOND YEAR					
<u>Interession</u>		<u>Units</u>			
IE 1	Interdisciplinary Elective 1 - English	3			
STS 10	Science, Technology, And Society	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
MATH 31.3	Mathematical Analysis Ii	3	FLC 11	Foreign Language And Culture 11	
IE 2	Interdisciplinary Elective 2	3	MATH 40.1	Linear Algebra	
ECON 111	Intermediate Microeconomic Theory	3	PHILO 11	Philosophy: The Human Condition	
SocSc 12	The Contemporary World	3	HISTO 12	Readings In Philippine History	
FAA 101	Financial Accounting	3	ECON 116	Statistics For Economists	
THEO 12	Theology Of The Catholic Social Vision	3	ECON 112	Intermediate Macroeconomic Theory	
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health And Fitness 4	
PATHFit 3	Physical Activities Towards Health And Fitness 3	2			
	TOTAL	20(3)		TOTAL	20(0)

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FREE ELECTIVE	Free Elective	3	ECON ELECTIVE	Economics Elective	3
ECON 115	Introduction To Mathematical Economics	3	ECON 118.01	Introduction To Econometrics Ii, Lecture	3
PHILO 13	Ethics	3	ECON 118.02	Introduction To Econometrics Ii, Laboratory	1
ECON 117.01	Introduction To Econometrics I, Lecture	3	ECON 121	Development Economics	3
ECON 117.02	Introduction To Econometrics I, Laboratory	1	ArtAp 10	Art Appreciation	3
THEO 13	A Theology Of Marriage, Family, And Vocation	3	PHILO 12	Philosophy Of Religion	3
ECON 114/122/150	International Finance/ International Trade/ Economics Of Public Finance	3	NSTP 12	National Service Training Program 12	(3)
			ECON 114/122/150	International Finance/ International Trade/ Economics Of Public Finance	3
	TOTAL	19(0)		TOTAL	19(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ECON 197	Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FREE ELECTIVE	Free Elective	3	FREE ELECTIVE	Free Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3	SocSc 14	Politics, Governance, And Citizenship	3
ECON ELECTIVE	Economics Elective	3	ECON ELECTIVE	Economics Elective	3
ECON 199	Economic Research	3	ECON ELECTIVE	Economics Elective	3
ECON 114/122/150	International Finance/ International Trade/ Economics Of Public Finance	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 158(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF ARTS IN MANAGEMENT ECONOMICS

The Management Economics program was established to offer students the option of having a balanced mix of business education and economics. While the management side trains the student in the principles of firm management, the economics component grounds the student in economic theory. This dual orientation is the main strength of the program since, as recent events have shown, business survival does not only depend on sound internal management, but also on how well one can cope with external economic forces.

Graduates of the program are expected to have very flexible career options. Although many students have opted for careers in business and finance, others have used their business background in entrepreneurial endeavors. The program is a very good preparation for taking an MBA and establishing a career as a professional manager. It is also suitable as a pre-law course.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices And Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan Ng Pilipinas	3
MATH 10	Mathematics In The Modern World	3	MATH 30.13	Applied Calculus For Business And Economics I	3
MATH 21	University Precalculus	3	SocSc 11	Understanding The Self	3
HISTO 11	Rizal And The Emergence Of The Philippine Nation	3	THEO 11	Faith, Spirituality, And The Church	3
NatSc 10.01	Natural Science, Lecture	3	STS 10	Science, Technology, And Society	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction To Ateneo Culture And Traditions 12	(0)
INTACT 11	Introduction To Ateneo Culture And Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health And Fitness 2	2
PATHFit 1	Physical Activities Towards Health And Fitness 1	2			
	TOTAL	21(0)		TOTAL	20(0)
SECOND YEAR					
<u>Intersession</u>		<u>Units</u>			
MATH 30.14	Applied Calculus For Business And Economics Ii	3			
IE 1	Interdisciplinary Elective 1 - English	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FLC 11	Foreign Language And Culture 11	3	HISTO 12	Readings In Philippine History	3
ECON 111	Intermediate Microeconomic Theory	3	ArtAp 10	Art Appreciation	3
SocSc 12	The Contemporary World	3	ECON 112	Intermediate Macroeconomic Theory	3
IE 2	Interdisciplinary Elective 2	3	PHILO 11	Philosophy: The Human Condition	3
FAA 101.10	Financial Accounting For Decision Makers	3	LAS 111	Strategic Human Resource Management	3
THEO 12	Theology Of The Catholic Social Vision	3	FAA 111.10	Financial Management For Decision Makers	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health And Fitness 4	2
PATHFit 3	Physical Activities Towards Health And Fitness 3	2		TOTAL	20(0)
	TOTAL	20(3)			

		THIRD YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ECON 115	Introduction To Mathematical Economics	3	ECON 117.01	Introduction To Econometrics I, Lecture	3
ECON 116	Statistics For Economists	3	ECON 117.02	Introduction To Econometrics I, Laboratory	1
PHILO 13	Ethics	3	ECON 121	Development Economics	3
ECON 113	Economics Of Money And Banking	3	PHILO 12	Philosophy Of Religion	3
FAA 102	Cost Accounting And Product Pricing	3	MKTG 111	Marketing Management	3
THEO 13	A Theology Of Marriage, Family, And Vocation	3	OPMAN 120	Production And Operations Management	3
	TOTAL	18(0)	MANAGEMENT ELECTIVE	Management Elective	3
			NSTP 12	National Service Training Program 12	(3)
				TOTAL	19(3)

		FOURTH YEAR			
<u>Interession</u>		<u>Units</u>			
ECON 197	Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FREE ELECTIVE	Free Elective	3	ECON ELECTIVE	Economics Elective	3
IE 3	Interdisciplinary Elective 3	3	ECON ELECTIVE	Economics Elective	3
ECON ELECTIVE	Economics Elective	3	SocSc 14	Politics, Governance, And Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership And Commitment	3	LAS 120.04	Strategy Implementation	3
LAS 120.03	Strategy Formulation	3	FAA 121	Investment Management: Derivatives, Alternative Investments And Ethics	3
MANAGEMENT ELECTIVE	Management Elective	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	18(0)

Total Number of Academic Units: 163(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

COURSE OFFERINGS

ECON 199 (Revised)
ECONOMIC RESEARCH

3 units

Prerequisite: ECON 117.01, 117.02, 118.01, and 118.02

This is a course applying research procedures and integrating theories and statistical analysis in the writing of a thesis.

ECON 111 (Revised)
INTERMEDIATE MICROECONOMIC THEORY

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of the pricing processes in a market economy under varying competitive conditions, their role in the allocation of resources, and the functional distribution of national income.

ECON 112 (Revised)
INTERMEDIATE MACROECONOMIC THEORY

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of the theory of national income determination and economic growth in alternative models of the national economy and the interaction and relation of aspects of these models to empirical aggregate analysis.

ECON 117.02 (Revised)
INTRODUCTION TO ECONOMETRICS I, LABORATORY

1 unit

Prerequisite: ECON 111, ECON 112, and ECON 116 or equivalent

Co-requisite: ECON 117.01

This course is an introduction to various statistical software such as STATA, EVIEWS, and R, and their applications for simple and multiple regressions using cross-section data, as well as basic-time series analysis and forecasting using time-series data.

ECON 118.01 (Revised)
INTRODUCTION TO ECONOMETRICS II, LECTURE

3 units

Prerequisite: ECON 117.01 and ECON 117.02

Co-requisite: ECON 118.02

This course is a further introduction to empirical methods for the quantitative analysis of economic phenomena. Topics include time series, panel regression techniques, causal inference techniques such as basic difference-in-difference models, and alternatives to ordinary least squares such as two-stage least squares estimation.

ECON 118.02 (Revised)
INTRODUCTION TO ECONOMETRICS II, LABORATORY

1 unit

Prerequisite: ECON 117.01 and ECON 117.02

Co-requisite: ECON 118.01

This course is a more advanced exploration of various econometric software like STATA, EVIEWS, GRETL, and R, and their applications for timeseries, panel regression, limited dependent variable models, causal inference techniques, difference-in-difference models, and alternatives to ordinary least squares such as two-stage least squares estimation.

ECON 121 (Revised)

DEVELOPMENT ECONOMICS

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a study toward provoking and maintaining accelerated economic growth and equity in less developed countries. Emphasis is on the competing perspectives on development, the interaction of socio-cultural change and economic growth, outside participation in economic modernization, the role of the state, and the role of international specialization.

ECON 123 (Revised)

INTERNATIONAL POLITICAL ECONOMY

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an introduction to international political economy, integrating insights of economics and political science and focusing on the activities within particular states and the international arena. Topics include the ideologies of international political economy, the experience of developed and developing economies, and Philippine trade policies..

ECON 124.03 (Revised)

HISTORY OF ECONOMICS I

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a survey of economic ideas from the early modern period to the early 20th century.

ECON 124.04 (Revised)

HISTORY OF ECONOMICS II

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a survey on the developments of economic ideas in the 20th century to the present.

ECON 130 (Revised)

ECONOMIC HISTORY OF THE PHILIPPINES

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of the colonial and contemporary economic policies and institutions of the Philippines.

ECON 131 (Revised)

ECONOMIC HISTORY OF MODERN JAPAN

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a study of the processes and problems of economic growth, and the evolution of economic institutions since the Tokugawa period. Focus is also on contemporary economic policy and experience after the Meiji Restoration..

ECON 132 (Revised)

ECONOMIC HISTORY OF MODERN EUROPE

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of significant processes and relationships in the economic development of Europe from the close of the Middle Ages to the present. Attention is given to reciprocal relationships between the social and political context and the behavior of the economy over time. Focus is also on the contemporary economic policy and experience in Europe.

ECON 133 (Revised)

ECONOMIC HISTORY OF THE UNITED STATES

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an examination of the major characteristics of the American economy from the late colonial period to the present. Special emphasis is given on the functional relationship between structural changes in the economy, and political demographic and social variables. Focus is also on the contemporary economic policy and experience in the United States.

ECON 134 (Revised)

COMPARATIVE ECONOMIC DEVELOPMENT IN SOUTHEAST AND EAST ASIA

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a survey of economic development in Southeast Asia and East Asia in an effort to discover typologies of development. Focus is also on contemporary economic policy and experience in Southeast and East Asia.

ECON 143 (Revised)

OPTIONS, FUTURES, AND OTHER DERIVATIVES

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a study of risk and its management with the use of financial instruments. The course discusses the different financial derivatives, from futures and options to more exotic instruments. Contract specifications, trading rules, pricing, and hedging strategies are discussed for each of the financial derivatives studies.

ECON 150 (Revised)

ECONOMICS OF PUBLIC FINANCE

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of the role of government in allocating resources through its tax-expenditures program. Focus is on the national government and the use of fiscal policies to promote growth and maintain economic stability. Evaluation criteria are developed and applied to specific policies.

ECON 153 (Revised)

HEALTH ECONOMICS

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an introduction to economic analysis as applied to the health sector. Topics include the relationships between health and development, current concerns on efficiency and equity of public and private systems, evaluation of health and health care, and pricing and government regulations.

ECON 154 (Revised)

ECONOMICS OF POPULATION

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an examination of the factors that lead to population growth and its economic consequences. Using household consumption and production models, the existing conditions pertaining to the country's demography are not only analyzed but the evolution of the different methodologies used are also considered.

ECON 156 (New)

ECONOMICS OF EDUCATION

3 units

Prerequisite: ECON 111

The course teaches the economic principles that can be used to analyze the education sector of a country as an integral part of the economy. These include the production of education, demand and supply factors, market competition between educational institutions, the role of the state, and impact on sustainable development.

ECON 157 (Revised)

URBAN AND REGIONAL DEVELOPMENT

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a study of the economies of industry location, land utilization, urban structure and regional expansions, emphasizing their independence and the contribution of public policy to locational objectives, methods, stability, and balance.

ECON 159 (Revised)

ECONOMICS OF NATURAL RESOURCE AND ENVIRONMENT

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of the relationship and effects of economic activities on the environment but also the conceptual and policy tools to address environmental problems. Key topics include market failure and externalities, economic functions of the environment, and meaning, conditions, and constraints of sustainable development. Other topics include culture and values in resource management, market and non-market based approaches to environmental problems, valuation techniques of non-marketed goods, property rights and concept of environmental rights and justice, and importance of environmental education in promoting positive environmental attitudes.

ECON 160 (Revised)

ECONOMICS OF AGRICULTURAL DEVELOPMENT

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an analysis of the transformation of a country's agricultural sector to support industrial and service sectors. Topics include the problem and processes of evoking agricultural modernization, techniques of capturing gains in agricultural productivity for accelerated capital accumulation, and major policy implications involved.

ECON 161 (Revised)

PRIVATE ENTERPRISE AND PUBLIC POLICY

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is an economic analysis of public policy in the private enterprise system. Topics include the bases for defining the public and private sectors, the role of economic nationalism through public legislation, and the economic performance of industrial organizations characterized by varying degrees of government intervention.

ECON 170 (Revised)

COMPARATIVE ECONOMIC SYSTEMS

3 units

Prerequisite: ECON 110 (for non-Economics Department majors)

This is a comparative study of economic performance of various free and planned economies on the following major points: stability, resource utilization and growth of industrial and agricultural production, consumption, investment, foreign trade, and total output.

EUROPEAN STUDIES

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The European Studies Program seeks to be a premier academic institution with expertise on Europe and the European Union.

It forms leaders who possess a keen understanding of Europe and the European Union, and who stand to be important drivers in the future of the Philippines.

BACHELOR OF ARTS IN EUROPEAN STUDIES

AB European Studies is a multidisciplinary program focusing on the political, economic, social, and cultural institutions of the European Union and its policymaking process. Special focus is given to the European integration process, as well as links between Europe and the Philippines. Students can choose between two specializations – *International Relations*, focusing on the internal and external political dynamics of Europe; and *Business and Economics*, which does not only concentrate on Europe’s business and economy, but provides students with general skills in finance and accounting. Students are also required to specialize in any of the three European languages (Spanish, French or German).

The program gives the students the advantage of first-hand business and cultural exposure of the continent through a study tour, summer internship (local or overseas), study abroad program and service learning courses.

Program Learning Objectives

For the European Studies Program, the ideal Ateneo graduate of AB European Studies is someone who:

- (a) Understands Europe and the EU – its integration, institutions, principles and policies;
- (b) Examines and assesses Europe’s impact in world affairs and in the further integration of the Asia-Pacific region;
- (c) Critically evaluates EU-Philippine political, economic, social and cultural relations;
- (d) Applies economic, political and cultural concepts and methods applicable in doing research on Europe;
- (e) Participates and discusses the implications of EU foreign policy on Philippines; and
- (f) Develops confidence, competence and proficiency in the use of a European language (French, Spanish or German) that will enhance their employability in the academe, business, government, non-government organization, and international organizations.

BACHELOR OF ARTS IN EUROPEAN STUDIES (Specialization in Business and Economics)

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
FRE/GER/SPA 11	Foreign Language and Culture 11 (for AB EU)	3	EURO 20	Evolution of European Integration	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
HISTO 31	Survey of Western Civilization	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20(0)
	TOTAL	21(0)			

SECOND YEAR

<u>Intersession</u>		<u>Units</u>		
ArtAp 10	Art Appreciation	3		
STS 10	Science, Technology, and Society	3		
	TOTAL	6(0)		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
EURO 22	Policies and Institutions of the European Union	3	ECON 110	Principles of Economics 3
EURO 23i	Interdisciplinary Elective: Europe, Globalization and Popular Culture	3	FRE/GER/SPA 13	Foreign Language and Culture 13 (for AB EU) 3
FRE/GER/SPA 12	Foreign Language and Culture 12 (for AB EU)	3	SOCIO 192.1	Statistical Analysis for the Social Sciences 3
ACCT 113	Fundamentals of Accounting	3	FINN 111	Fundamentals of Finance 3
SocSc 12	The Contemporary World	3	HISTO 12	Readings in Philippine History 3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition 3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4 2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2		TOTAL 20(0)
	TOTAL	20(3)		

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
EURO 21	Cross Cultural Communication	3	EURO 24	Economics of the European Integration 3
FRE/GER/SPA 14	Foreign Language and Culture 14 (for AB EU)	3	EURO 25	European Political and Social Integration 3
MKTG 111	Marketing Management	3	ECON 121	Development Economics 3
PHILO 13	Ethics	3	FRE/GER/SPA 15	Foreign Language and Culture 15 (for AB EU) 3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion 3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 13	A Theology of Marriage, Family, and Vocation 3
NSTP 12	National Service Training Program 12	(3)		TOTAL 18(0)
	TOTAL	18(3)		

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>		
EURO 197	Integrating Class	3		
	TOTAL	3(0)		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
EURO 120	Business Strategies and Experiences in Europe	3	EURO 199	Research on Europe 3
EURO 121	Europe and International Finance	3	EURO ELECTIVE	European Studies Elective 3
EURO 122	Europe and International Economic Relations	3	SocSc14	Politics, Governance, and Citizenship 3
EURO 192	Research Methods	3	IE 3	Interdisciplinary Elective 3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	FREE ELECTIVE	Free Elective 3
IE 2	Interdisciplinary Elective 2	3		TOTAL 15(0)
	TOTAL	18(0)		

Total Number of Academic Units: 159(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF ARTS IN EUROPEAN STUDIES (Specialization in International Relations)

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
FRE/GER/SPA 11	Foreign Language and Culture 11 (for AB EU)	3	EURO 20	Evolution of European Integration	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
HISTO 31	Survey of Western Civilization	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20(0)
	TOTAL	21(0)			
SECOND YEAR					
<u>Intersession</u>		<u>Units</u>			
ArtAp 10	Art Appreciation	3			
STS 10	Science, Technology, and Society	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
EURO 22	Policies and Institutions of the European Union	3	EURO 112	Basic Legal Concepts of the European Union	3
EURO 23i	Interdisciplinary Elective: Europe, Globalization and Popular Culture	3	ECON 110	Principles of Economics	3
EURO 111	Introduction to Law and Legal Concepts of the European Union	3	FRE/GER/SPA 13	Foreign Language and Culture 13 (for AB EU)	3
FRE/GER/SPA 12	Foreign Language and Culture 12 (for AB EU)	3	SOCIO 192.1	Statistical Analysis for the Social Sciences	3
SocSc 12	The Contemporary World	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2		TOTAL	20(0)
	TOTAL	20(3)			

THIRD YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
EURO 21	Cross Cultural Communication	3	EURO 24	Economics of the European Integration	3
FRE/GER/SPA 14	Foreign Language and Culture 14 (for AB EU)	3	EURO 25	European Political and Social Integration	3
POLSC 130	International Relations	3	ECON 113	Comparative European Politics	3
PHILO 13	Ethics	3	FRE/GER/SPA 15	Foreign Language and Culture 15 (for AB EU)	3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
TOTAL		18(3)			

FOURTH YEAR					
<u>Intersession</u>		<u>Units</u>			
EURO 197	Integrating Class	3			
TOTAL		3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
EURO 114	European Diplomatic Practice	3	EURO 199	Research on Europe	3
EURO 115	External Relations of the European Nation	3	EURO ELECTIVE	European Studies Elective	3
EURO 192	Research Methods	3	SocSc14	Politics, Governance, and Citizenship	3
POLSC 131	International Political Economy	3	IE 3	Interdisciplinary Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	FREE ELECTIVE	Free Elective	3
IE 2	Interdisciplinary Elective 2	3	TOTAL		15(0)
TOTAL		18(0)			

Total Number of Academic Units: 159(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

HISTORY

2/F Ricardo & Dr. Rosita Leong Hall
(632) 8426-6001 loc. 5240
history.soss@ateneo.edu

The Department of History, as part of the School of Social Sciences, aims to produce transformative leaders who will work towards inclusive societal and human development. Through a combination of rigorous research, creative teaching and inclusive service learning, the Department of History hopes to form students who are trained to see themselves as connected to an increasingly global world, yet deeply rooted in our nation and culture.

BACHELOR OF ARTS IN HISTORY

History is the study of the continuity we share with all human experience, past and present. It also makes available to us a range of options as we deal with our present and with the future. Our students learn not only to understand our present society against the background of the past, but also to analyze how this understanding is itself shaped by changing contexts.

Graduates of AB History can enter the fields of education, research, journalism, heritage conservation, tourism, and politics. A comprehensive grasp of history is also a natural first step for students wishing to enter law school or apply for the Foreign Service.

Program Learning Outcomes

The AB History graduate

- (1) Conducts research by utilizing historical approaches and frameworks, examines and analyzes research material, and generates and presents quality historical writings based on those research;
- (2) Comprehends how narratives are conducted, and are able to see beyond such narratives;
- (3) Understands the historical contexts behind current events and issues, and as a global citizen is familiar with geographical settings, especially within Southeast Asian and Philippine perspectives;
- (4) Incorporates and applies the skills learned from his discipline with that of other fields focused on sustainable development and environmental concerns;
- (5) Internalizes responsibility, involvement and service to the needs of the nation, grounded in Ignatian spirituality.

Graduates of AB History can enter fields of education, research, journalism, heritage conservation, tourism, and politics. A comprehensive grasp of history is also a natural first step for students wishing to enter law school or apply for the Foreign Service.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
SPA 11	Basic Spanish 1 Language and Culture	3	HISTO 21/31	Survey of Asian Civilization/ Survey of Western Civilization	3
HISTO 21/31	Survey of Asian Civilization/ Survey of Western Civilization	3	MATH 10	Mathematics in the Modern World	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
TOTAL		21(0)			

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HISTO 100	Introduction to Historical Studies	3	HISTO 110	Philosophy of History	3
SPA 12	Basic Spanish 2 Language and Culture	3	SPA 13	Intermediate Spanish 1	3
AREA COURSE 1	Area Course 1	3	PHL HI THEMATIC COURSE 1	Philippine History Thematic Course 1	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings In Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL		20(0)
	TOTAL	20(3)			

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
SPA 14	Intermediate Spanish 2	3	HISTO 192	Historical Methodology	3
AREA COURSE 2	Area Course 2	3	PHL HI THEMATIC COURSE 2	Philippine History Thematic Course 2	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		15(0)
	TOTAL	15(3)			

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
HISTO 197	Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HISTO 199.1	Senior Thesis I	3	HISTO 199.2	Senior Thesis II	3
AREA COURSE 3	Area Course 3	3	ELECTIVE COGNATE 2	Elective Cognate 2	3
ELECTIVE COGNATE 1	Elective Cognate 1	3	PHL HI THEMATIC COURSE 3	Philippine History Thematic Course 3	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 144(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

KOREAN STUDIES

3rd floor, Leong Hall
(63 2) 8426 6001 local 5245
ksp.soss@ateneo.edu

The Korean Studies Program seeks to be an interdisciplinary hub for studying, engaging and experiencing Korea in Philippine academia. It is committed to work towards the advancement of scholarly and interdisciplinary approach to the study of Korea. Through research and active development of Korea-related courses and programs both for students and educators, the Korean Studies Program endeavors to promote the critical study of Korea and contribute to the strengthening of Philippines-Korea relations.

COURSE OFFERINGS

KOR 21 (New)

KOREAN FOR BUSINESS COMMUNICATION

3 units

Prerequisite: KRN 11

This course introduces vocabulary and expressions used in the Korean workplace and in a business context. Students are trained to improve their reading, speaking, listening, and writing skills using appropriate Korean grammar patterns.

POLITICAL SCIENCE

Ricardo & Dr. Rosita Leong Hall, Rm 300
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polsci.soss@ateneo.edu

The Department of Political Science, as part of an academic institution that is Jesuit, Catholic and Filipino, envisions itself as a catalyst in molding the political and social consciousness of the Ateneo de Manila University and the larger community, which the school serves. The Department aspires to be a leader in the field of politics and governance – educating its students and the broader citizenry towards the development of institutions of peace and justice, equity and sustainability, inclusiveness and respect for human rights. Through its teaching, research and outreach activities, the Department seeks to participate in processes of democratization and popular empowerment at many levels – local, national and global – within the framework of critical inquiry, intellectual rigor and committed public service.

The Department seeks to train professionals who will be future leaders in their chosen fields; to contribute to the teaching/shaping of the discipline at the tertiary and basic education levels through research and content-based instruction; and, contribute to the country's development process through scholarly research, intellectual exchange, professional consultancy and community/public outreach.

BACHELOR OF ARTS IN POLITICAL SCIENCE

The AB Political Science degree aims to provide its graduates with a solid background in international relations, comparative politics, political theory, and public management. The program is designed to train students in critical and analytical thinking and leadership. The program is enhanced by an internship, a study abroad program, and service learning courses.

The AB Political Science Program responds to the call of the University to participate in nation-building and the promotion and development of a holistic and formative education that characterizes the core curriculum education in the Loyola Schools. A specialization in Political Science at the undergraduate level supplies some of the necessary professional tools for careers in academe, research organizations, and organizations of humanitarian, social and business concerns as well as international finance and trade.

Program Learning Outcomes

At the end of the four-year degree program, the student is able to:

1. Define and understand theories relevant to each field of Political Science
2. Recognize political science theories in understanding issues that take place in a larger, globalizing, national and local context
3. Compare theories and practices in political issues across different contexts/fields
4. Evaluate and critique theories on the basis of political scientific inquiry and a sense of social justice
5. Generate an informed commitment to social/political perspective/s
6. Plan for self/career development, which may include further studies on the same or similar field
7. To have a sense of citizenship

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
POLSC 20	Introduction to Political Science	3	POLSC 21	Philippine Politics and Governance	3
FLC 11	Foreign Language and Culture 11	3	MATH 10	Mathematics in the Modern World	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
TOTAL		21(0)			

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 30	History of Political Theory	3	POLSC 31	Contemporary Political Theories	3
POLSC 110	Comparative Politics	3	POLSC 112	Politics and Governance in Southeast Asia	3
POLSC 193	Quantitative Methods in the Social Sciences	3	POLSC 194	Qualitative Methods in the Social Sciences	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	(2)
PATHFit 3	Physical Activities Towards Health and Fitness 3	(2)		TOTAL	20(0)
	TOTAL	20(3)			

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 120	Fundamentals of Public Management	3	POLSC 121	Public Policy	3
POLSC 130	International Relations	3	POLSC 131	International Political Economy	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	15(0)
	TOTAL	15(3)			

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
POLSC 197	Directed Study: Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 150	Global Governance	3	POLSC ELECTIVE 3	Political Science Elective 3	3
POLSC 199	Directed Study: Research	3	POLSC ELECTIVE 4	Political Science Elective 4	3
POLSC ELECTIVE 1	Political Science Elective 1	3	SocSc 14	Politics, Governance, and Citizenship	3
POLSC ELECTIVE 2	Political Science Elective 2	3	IE 3	Interdisciplinary Elective 3	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 144(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF ARTS IN DIPLOMACY AND INTERNATIONAL RELATIONS WITH SPECIALIZATION IN EAST AND SOUTHEAST ASIAN STUDIES

The ideal Ateneo graduate of the AB Diplomacy and International Relations program is equipped with the theoretical knowledge of diplomatic history and Philippine foreign policy, and has sufficient understanding of the politics and governments of East and Southeast Asian countries. S/he has a mastery of either Chinese, Korean or Japanese language and is equipped with the practical skills in theorizing, research, writing and additionally of foreign policy analysis and negotiation in a simulated environment. The AB Dip-IR graduate is immersed in experiential learning which further equips him/her with multicultural literacy and sensitivity and the knowledge of bureaucratic systems in accordance with the pillars of Philippine diplomacy as well as of the other countries in East and Southeast Asia.

Program Learning Outcomes

At the end of the four-year degree program, the student is able to:

1. Define, discuss and explain theories and concepts on diplomacy, foreign policy, and international relations
2. Practice communication and research skills to formulate/present policy proposals and write evidence-based research and policy papers
3. Compare and evaluate regional foreign policies
4. Develop strategies for negotiation in a simulated environment
5. Integrate learning in the classroom in areas open to experiential and practical learning through research and internship
6. Assess foreign policy actions of foreign policy leaders and appraise their significance to national interest.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
POLSC 20	Introduction to Political Science	3	POLSC 21	Philippine Politics and Governance	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	FLC 11	Foreign Language and Culture 11	3
MATH 10	Mathematics in the Modern World	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	TOTAL		20(0)
	TOTAL	21(0)			

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 30	History of Political Theory	3	POLSC 135	Philippine Foreign Policy	3
POLSC 193	Quantitative Methods in the Social Sciences	3	POLSC 194	Qualitative Methods in the Social Sciences	3
FLC 12	Foreign Language and Culture 12	3	ArtAp 10	Art Appreciation	3

SocSc 12	The Contemporary World	3	FLC 13	Foreign Language and Culture 13	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	TOTAL		20(0)
	TOTAL	20(3)			

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ANTH 141.2	Anthropology of Southeast Asia	3	HISTO 131.04	Asia in the Modern World	3
POLSC 130	International Relations	3	POLSC 111	Comparative Politics (Asia)	3
POLSC 132	International Law	3	POLSC 131	International Political Economy	3
FLC 14	Foreign Language and Culture 14	3	POLSC 136	Diplomacy and Consular Practice	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		21(0)
	TOTAL	21(3)			

FOURTH YEAR

<u>Interession</u>		<u>Units</u>			
POLSC 197	Directed Study: Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 134.10	International Negotiation and Conflict Resolution	3	LAS 123.73	Strategic Issues In Doing Business in the ASEAN Context	3
POLSC 136.10	Issues and Problems in Diplomacy and Consular Practice	3	POLSC 131.40	The State and Economic Development: East and Southeast Asia	3
POLSC 180.70	Theories and Issues of Human Security in East and Southeast Asia	3	POLSC 150	Global Governance	3
POLSC ELECTIVE 1	Political Science Elective 1	3	POLSC ELECTIVE 2	Political Science Elective 2	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 162(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

PSYCHOLOGY

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psychology.soss@ateneo.edu

The Department of Psychology aims to be a leading institution of Psychology in Asia with strong and vibrant programs that develops exemplary psychologists, creates cutting-edge relevant knowledge, and engages in responsive interventions that lead to personal and social transformation.

The Department seeks to train students in Psychology as a social science and help them become skilled in the scientific method of observing, analyzing, and understanding individuals and groups in order to become competent psychologists for others. Specifically, it wishes graduates to have the following competencies: knowledge and skills in Psychology; critical thinking; ethical behavior; independent and continuous learning; cultural intelligence & sensitivity to diverse contexts; interpersonal and collaboration skills; research excellence; leadership and innovation; professionals for others; and, personal mastery.

BACHELOR OF ARTS IN PSYCHOLOGY

The Bachelor of Arts, major in Psychology Program (AB Psychology) provides exposure to the following areas: *People Management in Diverse Settings* and/or *Psychological Health and Human Development*.

People Management in Diverse Settings. This track provides students with the necessary theoretical foundations and practical applications of managing people in the areas of Social Psychology and Organization Psychology. It aims to prepare them for work in various settings such as in government, corporate, non-government, and academe by offering methodologies and techniques relevant to these areas. Students in this track will develop and enhance essential skills in performing people management roles in diverse work settings.

Psychological Health and Human Development. This track provides students with the theoretical foundations and practical applications in the areas of Developmental Psychology and Counseling Psychology. It prepares students for work in education, psychological assessment, and interventions to promote wellness and prevent negative outcomes. Students will be able to hone facilitative and supportive skills, gain more practice in psychological assessment, and obtain exposure in developing and implementing programs for specific age groups and/or diverse populations.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
FLC 11	Foreign Language and Culture 11	3	PSYC 20	General Psychology	3
NatSc, 10.01	Natural Science, Lecture	3	PSYC 90.01	Psychological Statistics, Lecture	3
NatSc, 10.02	Natural Science, Laboratory	1	PSYC 90.02	Psychological Statistics, Laboratory	2
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	MATH 10	Mathematics in the Modern World	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	(2)
	TOTAL	21(0)		TOTAL	22(0)

		SECOND YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PSYC 21	Physiological Psychology	3	PSYC 24	Theories of Personality	3
PSYC 22	Social Psychology	3	PSYC 91.01	Experimental Psychology, Lecture	3
PSYC 23	Cognitive Psychology	3	PSYC 91.02	Experimental Psychology, Laboratory	2
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2		TOTAL	19(0)
	TOTAL	20(3)			

<u>First Semester</u>		THIRD YEAR		<u>Second Semester</u>		<u>Units</u>
PSYC 25	Developmental Psychology	3	PSYC 26	Abnormal Psychology		3
PSYC 192.01	Field Methods, Lecture	3	PSYC 27	Industrial Organizational Psychology		3
PSYC 192.02	Field Methods, Laboratory	2	PSYC 92.01	Psychological Assessment, Lecture		3
PHILO 13	Ethics	3	PSYC 92.02	Psychological Assessment, Laboratory		2
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion		3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 13	A Theology of Marriage, Family, and Vocation		3
NSTP 12	National Service Training Program 12	(3)		TOTAL		17(0)
	TOTAL	17(3)				

<u>Interession</u>		FOURTH YEAR		<u>Units</u>		
PSYC 197/50/70	Practicum/Major Elective	3				
	TOTAL	3(0)				
<u>First Semester</u>		<u>Units</u>		<u>Second Semester</u>		<u>Units</u>
PSYC 199.1	Research in Psychology I	3	PSYC 199.2	Research in Psychology II		3
PSYC 28/50/70	Culture and Psychology/Major Elective 2	3	PSYC 28/50/70	Culture and Psychology/Major Elective 2		3
IE2: PSYC 50i/70i	Interdisciplinary Elective 2 – Major Elective	3	PSYC 50/70	Major Elective 1		3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship		3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3		3
	TOTAL	15(0)		TOTAL		15(0)

Total Number of Academic Units: 149(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

BACHELOR OF SCIENCE IN PSYCHOLOGY

The Bachelor of Science, major in Psychology Program (BS Psychology) functions as a training ground for students who want to contribute their interests in human behavior and the natural sciences. After completing their first year, students choose whether to be in the medicine or regular track. As a pre-medicine course, this program equips the students with necessary prerequisites that will prepare them for the academic demands of medical school. Students of BS Psychology are exposed to and engaged in the scientific study of individual and group behavior. The program also prepares them for careers in business and management, teaching, psychometrics and for further specialization in the different fields of psychology.

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
PHYS 25.01	General Physics I, Lecture	3	BIO 100.01	General Zoology, Lecture	3
PHYS 25.02	General Physics 1, Laboratory	1	BIO 100.02	General Zoology, Laboratory	2
PSYC 20	General Psychology	3	PSYC 90.01	Psychological Statistics, Lecture	3
MATH 10	Mathematics in the Modern World	3	PSYC 90.02	Psychological Statistics, Laboratory	2
SocSc 11	Understanding the Self	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PATHFit 1	Physical Activities Towards Health and Fitness 1	2	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
TOTAL		21(0)	TOTAL		21(0)

SECOND YEAR

<u>Intersession</u>		<u>Units</u>			
FLC 11	Foreign Language and Culture 11	3			
HISTO 11	Rizal and the Emergence of the Philippine Nation	3			
TOTAL		6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PSYC 23	Cognitive Psychology	3	PSYC 21	Physiological Psychology	3
PSYC 91.01	Experimental Psychology, Lecture	3	PSYC 22	Social Psychology	3
PSYC 91.02	Experimental Psychology, Laboratory	2	PSYC 24	Theories of Personality	3
ArtAp 10	Art Appreciation	3	NatSc, Lec	Natural Science, Lecture	3
HISTO 12	Readings in Philippine History	3	NatSc, 2u Lab	Natural Science, 2 Units Laboratory	2
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
STS 10	Science, Technology, and Society	3	THEO 12	Theology of the Catholic Social Vision	3
PATHFit 3	Physical Activities Towards Health and Fitness 3	2	NSTP 11	National Service Training Program 11	(3)
TOTAL		22(0)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
			TOTAL		22(3)

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PSYC 25	Developmental Psychology	3	PSYC 26	Abnormal Psychology	3
PSYC 27	Industrial Organizational Psychology	3	PSYC 192.01	Field Methods, Lecture	3
PSYC 92.01	Psychological Assessment, Lecture	3	PSYC 192.02	Field Methods, Laboratory	2
PSYC 92.02	Psychological Assessment, Laboratory	2	NatSc, Lec	Natural Science, Lecture	3
PHILO 12	Philosophy of Religion	3	NatSc, 2u Lab	Natural Science, 2 Units Laboratory	2

THEO 13	A Theology of Marriage, Family, and Vocation	3	PHILO 13	Ethics	3
	TOTAL	17(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
				TOTAL	19(3)

FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
PSYC 197/50/70	Practicum/Major Elective	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
PSYC 28	Culture and Psychology	3	PSYC 199.2	Research in Psychology II	3
PSYC 199.1	Research in Psychology I	3	NatSc, Lec	Natural Science, Lec	3
NatSc 3 units	Any 3-Unit Natural Science	3	NatSc, 2u Lab	Natural Science, 2 Units Lab	2
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	17(0)

Total Number of Academic Units: 166(6)

Curriculum Effective Freshman Batch SY 2024 – 2025

SOCIOLOGY AND ANTHROPOLOGY

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The Department of Sociology and Anthropology, commits itself to the University's goal to contribute to national development by forming women and men who will devote their lives to the service of their fellow individuals and, through academic excellence, mature spirituality and the promotion of justice, serve those who are in need of help, most especially the poor and powerless.

Through its training, research, and action programs, the Department instills in its students a critical understanding of mutual dependence between structure and human agency in a globalized society, as well as the ability to apply this understanding to transformation of cultural practices, especially those found in Third World societies like the Philippines. These academic skills, coupled with the value formation acquired through the University's core curriculum, are prerequisites for interpreting and acting on contemporary social forces such as the dialectic between globalization and national integration, the gross inequalities in access to power and resources among different groups, the relentless degradation of the physical environmental, the growing rationalization of modern life, and the deconstructive ethos of a highly technological postmodern age.

BACHELOR OF ARTS IN SOCIOLOGY

Students learn to use sociological and anthropological perspectives to accomplish three feats: first, to comprehend their everyday life within larger communities; second, to obtain grounding in research methodology; and third, to make sense of pressing issues that beset contemporary social worlds. With this kind of training, students acquire a critical sense of social worlds, an ability they can use to examine phenomena with scientific discipline; assess contending ideologies; offer alternative narratives on tradition, modernity, and social change; and make workable recommendations for plans and policies that enhance people's welfare.

The program prepares students for jobs with people, and about people. Its graduates, being well-equipped with a deep and broad understanding of the human condition, have several job opportunities open to them. They have the knowledge and skills needed for careers in social development, media, the business world, the academe, and the management of cultural resources. Graduates also find the social science program an excellent preparation for advanced or professional studies in anthropology, business management, development studies, economics, journalism, law, public administration, sociology, urban or regional planning, and related fields.

FIRST YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
SOCIO 101	Fundamentals of Sociology	3	SOCIO 102	Sociology of the Philippines	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
FLC 11	Foreign Language and Culture 11	3	THEO 11	Faith, Spirituality, and the Church	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PATHFit 2	Physical Activities Towards Health and Fitness 2	2
PATHFit 1	Physical Activities Towards Health and Fitness 1	2		TOTAL	20(0)
	TOTAL	21(0)			

SECOND YEAR					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
SOCIO 103.1	Sociological Theories I	3	SOCIO 103.2	Sociological Theories II	3
FLC 12	Foreign Language and Culture 12	3	SOCIO 192.1	Statistical Analysis for the Social Sciences	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FREE ELECTIVE	Free Elective	3	FREE ELECTIVE	Free Elective	3
NSTP 11	National Service Training Program 11	(3)	PATHFit 4	Physical Activities Towards Health and Fitness 4	2
PATHFit 3	Physical Activities Towards Health and Fitness 3	2		TOTAL	20(0)
	TOTAL	20(3)			

<u>First Semester</u>		THIRD YEAR		<u>Second Semester</u>		<u>Units</u>
SOCIO 193.1	Quantitative Research Methods: Social Survey	3	ANTH 194.1	Qualitative Research Methods: Ethnographic Fieldwork		3
SOCIOLOGY ELECTIVE 1	Sociology Elective 1	3	SOCIOLOGY ELECTIVE 3	Sociology Elective 3		3
SOCIOLOGY ELECTIVE 2	Sociology Elective 2	3	PHILO 12	Philosophy Of Religion		3
PHILO 13	Ethics	3	THEO 13	A Theology of Marriage, Family, and Vocation		3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 1	Interdisciplinary Elective 1 – English		3
IE 2	Interdisciplinary Elective 2	3		TOTAL		15(0)
NSTP 12	National Service Training Program 12	(3)				
	TOTAL	18(3)				

<u>Intersession</u>		FOURTH YEAR		<u>Second Semester</u>		<u>Units</u>
SOAN 197.1	Ateneo Social and Cultural Laboratory I	3				
SOAN 197.2	Ateneo Social and Cultural Laboratory II	3				
	TOTAL	6(0)				
<u>First Semester</u>		<u>Units</u>		<u>Second Semester</u>		<u>Units</u>
SOCIO 199.1	Directed Research (Thesis) I	3	SOCIO 199.2	Directed Research (Thesis) II		3
SOCIOLOGY ELECTIVE 4	Sociology Elective 4	3	SOCIOLOGY ELECTIVE 6	Sociology Elective 6		3
SOCIOLOGY ELECTIVE 5	Sociology Elective 5	3	SOCIOLOGY ELECTIVE 7	Sociology Elective 7		3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship		3
IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3	IE 3	Interdisciplinary Elective 3		3
	TOTAL	15(0)		TOTAL		15(0)

Total Number of Academic Units: 150(6)

Curriculum Effective Freshman Batch SY 2024 – 2025