



**American
Open University**
Nigeria

AMERICAN OPEN UNIVERSITY (A-GLOBAL)
School of Postgraduate Studies



Master of Information Technology

Skill-Based • Career-Focused • Competency-Driven • Project-Based

Professional Master's Degrees for working professionals,
with AI embedded in every course



American
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Nigeria



Master of Information Technology

30 Credits

10 Courses

12 Months

HyFlex Delivery

The Master of Information Technology develops advanced technical and architectural capability for professionals who design, secure, and operate enterprise technology. The core establishes a common foundation in information systems and data, enterprise and cloud systems architecture, infrastructure and emerging technologies, and security governance. Each student then specializes in depth and completes a capstone within the declared track. Every graduate leaves with a working system, a defended investigation, or a validated analytical product rather than a written account of one.

Artificial intelligence is embedded across the curriculum. Every course carries an applied artificial intelligence module, and every capstone must assess where artificial intelligence applies to the problem addressed and either implement it or document the reasoning for not doing so.



Specialization

Students choose one of the following tracks to deepen their expertise:

- **AI Engineering and Deployment.** A shared machine learning foundation, machine learning systems and deployment operations, and agent-directed software development.
- **Cybersecurity and Digital Forensics.** Security architecture, threat detection and response, network security and cryptography, digital investigation, and evidence handling.
- **Data Science and Analytics.** Analytics and business intelligence, statistical and predictive modeling, and data engineering.

AI Engineering and Deployment and Data Science and Analytics are distinguished by output rather than by technique. Predictive modeling as an analytical method belongs to Data Science and Analytics; model deployment, serving, monitoring, and lifecycle operations belong to AI Engineering and Deployment. The two tracks share IFT 642, Artificial Intelligence and Machine Learning, as their common methods foundation and diverge from that point by output.



Objectives

The program aims to:

- Establish rigorous foundations in information systems, enterprise architecture, infrastructure, and security governance.
- Equip students to design systems and justify architectural tradeoffs against requirements for performance, cost, security, and scale.
- Develop the practical capability to build, deploy, and operate production systems and analytical products.
- Build depth in a chosen specialization sufficient to carry technical ownership in that field.
- Foster responsible practice in data protection, information security, and the ethical use of artificial intelligence.
- Prepare graduates for technical leadership across regulated and mission-critical sectors.



Expected Program-Level Outcomes

Educate. Students will demonstrate a deep understanding of information systems and data, enterprise and cloud systems architecture, infrastructure and emerging technologies, and security governance, together with advanced knowledge of their chosen specialization.

Develop. Students will be able to design, build, and evaluate systems, models, and analytical products to professional standard, and to justify their technical tradeoffs.

Grow. Students will demonstrate the capability to lead technical teams, manage delivery, and communicate technical findings in terms that support executive and regulatory decision making.

Empower. Students will be prepared to operate within data protection, security, and sector regulatory obligations, and to advocate for responsible and accountable technology practice.



Curriculum

General Core (12 credits)

Code	Course	Credits
IFT 611	Advanced Information Systems and Data Foundations	3
IFT 612	Enterprise and Cloud Systems Architecture	3
IFT 613	Information Systems Infrastructure and Emerging Technologies	3
IFT 614	Information Security Governance and Compliance	3

IFT 612 addresses enterprise systems, integration design, and platform scalability, together with deployment model selection across on-premises, cloud, and hybrid estates, migration strategy and sequencing, and the buy-versus-build decision and technical business case. IFT 613 addresses cloud service models, virtualization and containerization, infrastructure resilience and cost management, and the assessment of emerging technical capability, and carries the substantive artificial intelligence content in the core, including agent architectures and interoperability protocols. IFT 614 covers security architecture at survey level, risk management, governance frameworks, data protection regulation, and the legal environment of information security.

Specialization: AI Engineering and Deployment (9 credits)

Code	Course	Credits
IFT 642	Artificial Intelligence and Machine Learning	3
IFT 621	Machine Learning Systems and Deployment Operations	3
IFT 623	AI-Powered Software Development	3

IFT 642, shared with the Data Science and Analytics track, provides the common foundation in machine learning methods, model behavior, and evaluation from which the two tracks diverge. IFT 621 addresses the engineering of machine learning systems end to end: data pipelines, training infrastructure, reproducibility, deployment architecture, model serving, monitoring, drift detection, and the operational lifecycle of models in production. IFT 623 addresses agent-directed software engineering, including the coding-agent landscape, model selection, architecture under artificial intelligence assistance, and version control as a control plane for machine-generated change.



Specialization: Cybersecurity and Digital Forensics (9 credits)

Code	Course	Credits
IFT 631	Security Architecture and Threat Management	3
IFT 632	Network Security and Cryptography	3
IFT 633	Cyber Forensics: Tools and Techniques	3

Specialization: Data Science and Analytics (9 credits)

Code	Course	Credits
IFT 641	Data Analytics and Business Intelligence	3
IFT 642	Artificial Intelligence and Machine Learning	3
IFT 643	Deep Learning: Theory and Applications	3

Required Sequence (9 credits)

Code	Course	Credits
IFT 691	Research Methods in Information Systems and Technology	3
IFT 692	Technical Project Management	3
IFT 698	Capstone	3

IFT 691 produces a track-situated research or project proposal. IFT 692 converts that proposal into an execution plan covering scope, technical risk, and delivery. IFT 698 delivers and defends the result.

Elective (open to qualified students)

Code	Course	Credits
IFT 615	Enterprise Systems for Industrial Operations	3

IFT 615 addresses enterprise resource planning, in-memory data platforms, digital procurement, enterprise content management, human capital management systems, and infrastructure resilience in industrial settings.

Bridge Course

Code	Course	Credits
IFT 615	Foundations of Information Systems	0

Required for applicants whose first degree is not in computing or a related discipline. Delivered pre-term in the four-week accelerated self-paced format.



What You Will Learn

-  **Information Systems and Data Foundations:** Systems principles, data modeling, storage and processing architectures, and computational methods.
-  **Enterprise and Cloud Systems Architecture:** Enterprise systems, integration design, deployment model selection, migration strategy, and platform scalability.
-  **Infrastructure and Emerging Technologies:** Cloud service models, virtualization and containerization, infrastructure resilience and cost management, agent architectures, interoperability, and the assessment of emerging capability.
-  **Security Governance:** Security architecture, risk management, compliance frameworks, and data protection regulation.
-  **Technical Project Management:** Technical scoping, agile and stage-gate delivery, and technical risk management.
-  **Applied Practice:** Technical problem framing, implementation, and the defense of a delivered system or analytical product.



Who You Will Become

- Engineers and architects who can build and ship production systems, not only specify them.
- Security professionals capable of defending enterprise environments and investigating incidents when defenses fail.
- Data scientists who turn organizational data into evidence that leadership will act on.
- Technical leaders able to translate between engineering teams and executive decision makers.
- Responsible practitioners who build privacy, security, and accountability into systems by design.



Where You Will Work

-  Banking, payments, and financial technology.
-  Telecommunications and technology companies.
-  Federal and state government agencies and regulatory bodies.
-  Healthcare, energy, and logistics organizations operating critical systems.
-  Consulting firms, research institutions, and technology-enabled enterprises.



Additional Information and Resources

Industries: Financial technology, cybersecurity, telecommunications, artificial intelligence and data services, healthcare technology, public sector digital infrastructure.

Relevant Professional Certifications: Certified Information Systems Security Professional, Certified Ethical Hacker, CompTIA Security Plus, Certified Analytics Professional, and recognized cloud and enterprise architecture certifications.

Sample Career Paths: Machine Learning Engineer, Data Scientist, Security Architect, Incident Response Lead, Digital Forensics Analyst, Analytics Manager, Solutions Architect, Head of Technology, Chief Information Security Officer.



Program Structure and Delivery

All courses carry three credit units and comprise eight modules of six units each, delivered over an eight-week term. Programs are delivered through a HyFlex model. Students may study entirely online, entirely on campus, or combine both, and may change mode between terms. On-campus study is available at the Ibadan Global Campus and the Abeokuta Metro Campus. Terms begin in August, October, January, March, and May. Applicants should begin the admission process at least one month before the term in which they intend to start.



Pace and Course Load

The standard load is two courses per term. Students may carry three courses in one or more terms, or take selected courses in the four-week accelerated format, to complete sooner. Selected courses are available in a self-paced online format.

The following courses are cohort-delivered and supervised, and are not available in self-paced format: Research Methods, Project Management, and all Capstone courses. In the Master of Business Administration, MBA 691 Evidence and Analysis for Managers serves as the research methods course, project management is taught within Capstone I, and Capstone I must be completed and cleared before registration for Capstone II.



Optional Electives

In addition to the required curriculum, the University offers optional elective courses, delivered in self-paced online format unless otherwise indicated; cross-program electives taken with another program's cohort are noted where they occur. Students may take these at any point during their program, at their own pace, and are not required to do so. Optional electives are open to students in all specializations and, where cross-listed, to students across programs.

Because they are self-paced, optional electives do not depend on cohort scheduling or minimum enrollment, and a student may begin one in any term without affecting the standard course load.

Optional electives are credit-bearing. They are recorded on the academic transcript and count toward the cumulative grade point average on the same basis as required courses. A transcript may therefore record more credits than the minimum required for the degree. Optional electives must be completed before the close of the final capstone term; a course not completed by that point is recorded as incomplete and does not delay the award.



Academic Calendar

Courses run in eight-week terms grouped into three semesters.
Entry is available at the start of any term.

Semester	Terms
Fall	August and October
Spring	January and March
Summer	May

At the standard load of two courses per term, the Master of Information Technology and the Master of Public Administration are completed across five terms, approximately 12 months. The Master of Business Administration comprises twelve courses and is completed across six terms, approximately 15 months, or sooner where a student carries an increased load or uses the four-week accelerated format.



Residencies

A residency is held at the close of each semester, three times a year. Residencies bring students, faculty, industry practitioners, and institutional partners together on campus for structured professional engagement rather than for teaching delivery.

Each residency combines industry panels and guest sessions with practitioners drawn from the sectors the programs serve, capstone presentations and peer review, supervisor and cohort meetings, and professional networking. Students in the same specialization across all three programs meet together, so that a public administration student working on digital governance encounters the technology and business students working on adjacent problems.

Residencies are open to students studying in any mode. Students studying entirely online are encouraged to attend and are not required to do so; those unable to travel may participate in the sessions delivered online. Residencies are held at the Ibadan Global Campus and the Abeokuta Metro Campus.



Tuition and Fees

All amounts are in Nigerian Naira and cover the full program.

Program	Total Tuition
Master of Public Administration	₦1,000,000

Other Fees	Amount
Application fee, payable on application	₦50,000
Acceptance fee, payable on admission	₦100,000

The application fee is non-refundable and is separate from tuition. The acceptance fee forms part of the total tuition and is credited against it.

International Tuition

Applicants resident outside Nigeria are assessed in United States dollars at the following flat rates, covering the full program.

Program	Total Tuition
Master of Public Administration	US\$1,500

The application fee, the acceptance fee, and the availability of installment payment apply on the same terms as for applicants resident in Nigeria, assessed in United States dollars at the equivalent rate.



Payment Options

Tuition may be paid in full or in three installments. Where the installment option is chosen, the balance remaining after the acceptance fee is divided across three payments scheduled against the academic calendar.

Monthly payment plans are available through EDGE Finance, a partnered third-party provider.

Monthly plans are arranged directly with the provider and attract transaction fees in addition to tuition. Students selecting a monthly plan should review the provider's terms before committing.



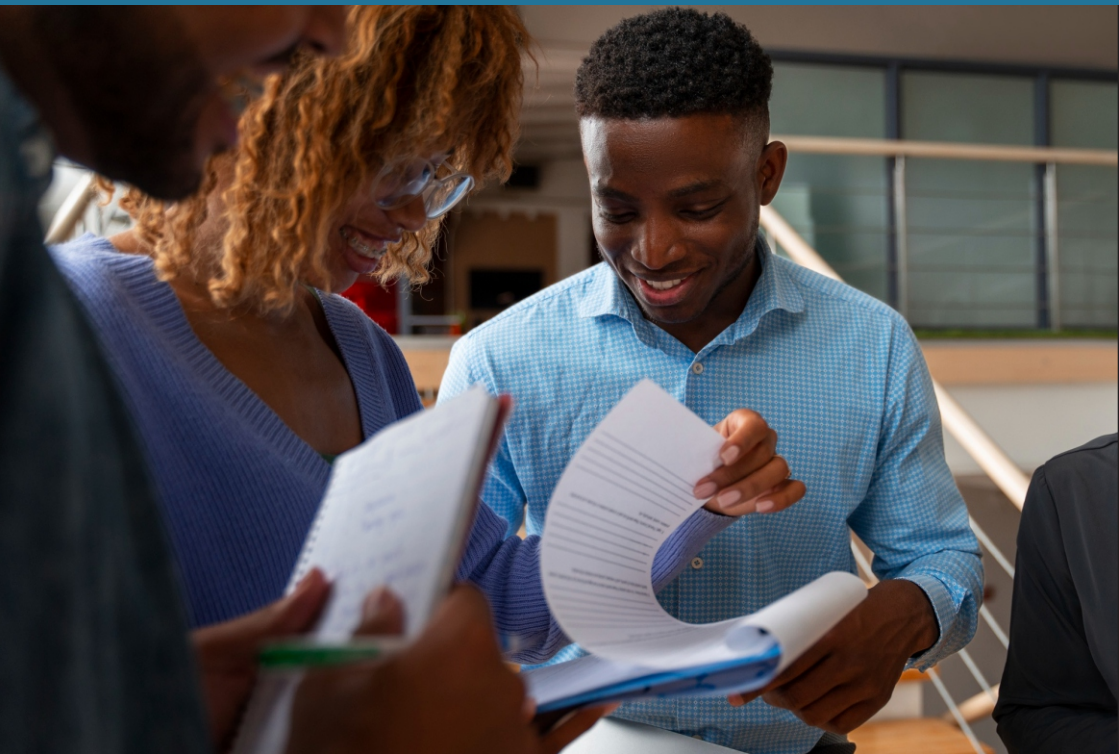
Assessment and Grading

Each course is assessed through a combination of participation and discussion, quizzes, applied tasks and assignments, and a final examination. Assessment weightings are set out in each course syllabus. Applied tasks require original work that addresses the question directly and demonstrates the student's own analysis and conclusions.

Quizzes and examinations are timed and completed within designated assessment windows. Communication with any other person during an examination is a serious violation of academic integrity, and all submitted work must be the student's own.

Semester	Terms
90 to 100	Goes beyond the requirements of the subject. Advanced understanding, thoughtful analysis, clear communication, depth in connecting theory to practice, and creative use of examples.
80 to 89	Fully achieves the requirements of the subject. Knowledge and depth of understanding, clear communication, examination of the implications of theory for practice, and analysis of the problem and its solutions.
70 to 79	Substantially completes the requirements of the subject. Knowledge of the subject and adequate communication of ideas, but limited insight and implications drawn narrowly.
60 to 69	Inadequate attempt at the requirements of the subject. Limited knowledge, inadequate communication of ideas, and less than the minimum requirement completed.
0 to 59	Does not meet the basic requirements of the course.

Letter grades are assigned on the scale above: A and A minus (90 to 100), B plus, B, and B minus (80 to 89), C plus, C, and C minus (70 to 79), D plus and D (60 to 69), and F (below 60). Grade point equivalents and progression rules are set out in the Student Handbook.



Attendance and Participation

Attendance is measured by participation in course activities and timely submission of assessed work, not by physical presence alone. Students studying online are required to log into the learning management system regularly and to complete discussions, quizzes, and submissions by the deadlines set out in the course schedule. Faculty record attendance through the learning management system. Regular participation is a substantial contributor to student outcomes and forms part of the assessed grade in every course.



Library and Learning Resources

Students have access to the University's online research databases and digital library. Course materials, including readings, recorded lectures, video tutorials, and supporting resources, are provided within each unit of every course through the learning management system, together with notes indicating how each resource fits the course as a whole. Links to additional reports and publicly available databases are provided as required.



Technology Requirements

Students require access to a computer or web-capable mobile device and consistent internet access sufficient to view or download course resources and to complete timed assessments and examinations within the learning management system. Full participation, including assessments and examinations, requires logging into the learning management system; course materials cannot be completed offline.



Specialization Declaration

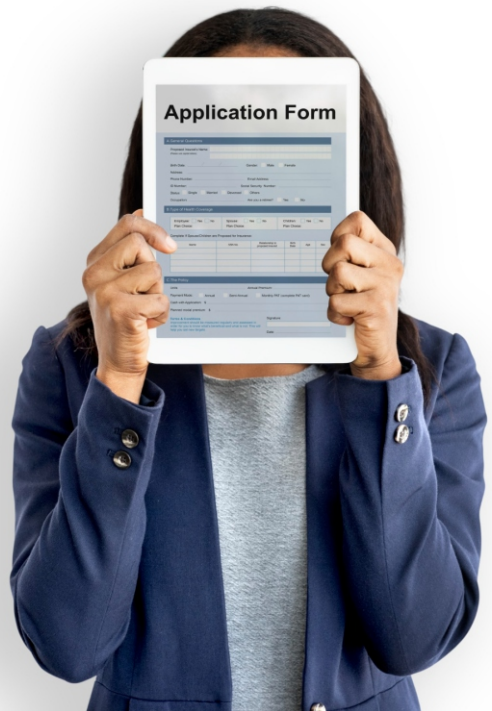
Students declare a specialization at the end of the first semester, before registration for Research Methods (MBA 691 in the Master of Business Administration). The declaration governs Research Methods, Project Management, and the Capstone, and therefore the second half of the program. A single track supervisor carries the student through the full sequence.



Admission Requirements

Applicants must hold a bachelor's degree from an institution recognized by the National Universities Commission or its equivalent for foreign institutions, with a minimum of Second Class Honours (Lower Division). Holders of the Higher National Diploma at Upper Credit level may be considered where the diploma is supported by relevant professional experience or a recognized postgraduate diploma.

Applicants are required to submit official academic transcripts sent directly from the awarding institution, evidence of National Youth Service discharge or exemption where applicable, a current curriculum vitae, two academic or professional references, and a statement of purpose of 500 to 750 words articulating their motivation, preparation, and career goals.





International Applicants

Applicants whose previous degree was taught in a language other than English are required to demonstrate English proficiency, either through a TOEFL score of 71 (internet-based) or 530 (paper-based), or through the completion of at least one year of post-secondary study in which the language of instruction was English. Applicants holding qualifications from institutions outside Nigeria should submit them for equivalence assessment as part of the application.



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How to Apply

- 1 Complete the online application at the University's application portal, aglobal.online, and pay the ₦50,000 application fee. The fee is non-refundable.
- 2 Submit your supporting documents: official academic transcripts sent directly from the awarding institution, evidence of National Youth Service discharge or exemption where applicable, a current curriculum vitae, two academic or professional references, and a statement of purpose of 500 to 750 words on your motivation, preparation, and career goals.
- 3 Receive your admission decision by email from the Admissions Office.
- 4 On admission, pay the ₦100,000 acceptance fee to confirm your place. The acceptance fee is credited against tuition.
- 5 Register for courses and begin in your chosen term: August, October, January, March, or May.

Applicants should begin the process at least one month before the term in which they intend to start. The Admissions Office is available throughout at admissions@aouniversity.edu.ng.



Frequently Asked Questions

Is this equivalent to a conventional master's degree?

Yes. The programs were approved by the National Universities Commission in June 2026 and carry the same standing as master's degrees delivered by conventional means. The Commission regulates the curriculum, credit load, assessment standards, and external moderation of all approved programs regardless of delivery mode. The degree certificate does not distinguish between online, on-campus, and blended study.

Is the degree recognized for civil service promotion?

Yes. Promotion criteria in the federal and state public service recognize degrees from institutions and programs approved by the National Universities Commission. Applicants should confirm the specific requirements of their service commission or establishment, as some schemes of service specify particular disciplines for particular cadres.

Can I proceed to a doctoral program afterward?

The programs prepare graduates well for professional doctorates and for research doctorates at institutions that admit on demonstrated research capability. Within Nigeria, applicants should note the distinction drawn between academic and professional master's degrees. See the section on Doctoral Progression above.

When do I choose my specialization?

At the end of the first semester, before registration for Research Methods, Research Methods, Project Management, and the Capstone are all undertaken within the declared track, so the choice governs the second half of the program.

Can I choose between a research and a project capstone?

The research and project capstone options apply to the Master of Business Administration. Students in the Human Capital Development and Fintech and Digital Financial Services tracks may elect a research capstone in place of the professional project. The election is made at specialization declaration and is subject to a minimum cumulative grade point average and supervisor consent.

Can I switch campuses or study modes during the program?

Yes. Students may move between the Ibadan and Abeokuta campuses and between online, on-campus, and blended study from term to term.

Am I required to attend residencies?

No. Residencies are open to all students and strongly encouraged, but attendance is not a condition of progression or award. Students unable to travel may participate in the sessions delivered online.

Can I study part-time or at a slower pace?

Yes. The standard load is two courses per term, and students may take fewer where circumstances require. Extended pathways are available. Students who wish to finish sooner may carry three courses in a term or take selected courses in the four-week accelerated format.

Can I pay tuition in installments?

Yes. Tuition may be paid in full or in three installments across the academic calendar. Monthly payment plans are available through EDGE Finance, a partnered third-party provider; monthly plans attract transaction fees in addition to tuition.

What if my first degree is not in a related field?

Applicants to the Master of Information Technology whose first degree is not in computing or a related discipline complete a zero-credit bridge course, IFT 600, delivered pre-term in the four-week accelerated self-paced format. Applicants to the Master of Business Administration without a business first degree may be advised to complete a comparable bridge in managerial accounting.

Begin Your Application

Terms begin in

August, October, January, March, and May

Apply online at aglobal online

www.aouniversity.edu.ng 

Admissions Office:

 admissions@aouniversity.edu.ng

 info@aouniversity.edu.ng

Contact:



+234 816 359 7200

+234 700 700 3888

Campuses:

 Global Campus: 03 OIaDosu Oladipo Close,
Ibadan 200285, Oyo State, Nigeria

 Metro Campus: 1, Agboke Street,
Opposite FoodCo Supermarket,
Akin-Olugbade, Abeokuta, Ogun State

 Ogbomoso, Oyo State | Ondo, Ondo State