

ACADEMIC CATALOGUE

Alchemist International Artificial Intelligence University
**AI-native, competency-based higher education with
genuine student choice.**

VERSION 3.1

360 credits is the undergraduate graduation
threshold - not a ceiling.

Every BSc has a defined foundation and major core, six advanced
major choices, at least three approved electives, applied practice
and a two-part capstone. Students may continue beyond 360
credits and retain the additional learning on their transcript.

7

BSc degrees

32

completed modules per
standard BSc pathway

4

research-led MSc degrees

The flexible academic model

Choice is built into the qualification without weakening the disciplinary core.

360+

Undergraduate credits

360 credits is the minimum award threshold. Approved additional modules remain on the transcript.

180+

Masters credits

180 credits earns the MSc when all award requirements are satisfied. Additional postgraduate electives may be completed beyond the minimum.

3+

True electives in every BSc

Students choose at least three 10-credit electives, including approved cross-faculty options when prerequisites are met.

6

Advanced major choices

Each BSc requires six advanced modules selected from a larger discipline-specific pool.

One degree, many individual academic pathways

There is no separate "Pathway I" and "Pathway II". Those labels previously split a single degree across catalogue pages and could imply that students were choosing between two different routes. VERSION 3 removes them. AIAIU now distinguishes between the **qualification requirements** and the **student's individual academic pathway** through those requirements.

Academic principle. Students may choose widely, but a degree is not awarded merely because a credit counter reaches 360. The student must also satisfy the compulsory core, advanced-major selection, elective, applied-practice and capstone requirements of the enrolled qualification.

BSc degree architecture

Every BSc uses the same flexible 32-module / 360-credit award architecture.

18

Required core modules

180 credits. Foundations and major competencies that define the degree.

6

Advanced choices

60 credits. Choose six from the approved advanced pool for the major.

3

Free / approved electives

30 credits. Cross-faculty or discipline electives, subject to prerequisites.

3

Applied practice modules

30 credits. Labs, professional practice, delivery and commercialisation.

2

Capstone modules

60 credits. A two-part independent capstone with design/prototype and final production/defence.

32

Completed modules

The normal 360-credit BSc pathway totals 32 completed modules.

Undergraduate award rule

A Bachelor of Science degree is awarded when the student has earned at least 360 institutional credits and has satisfied every compulsory core, major-selection, elective, applied-practice, capstone and approval requirement of the enrolled academic plan.

Beyond 360 credits

Students may continue taking unlocked approved modules after becoming graduation-eligible. Additional credits are recorded on the transcript. Where a coherent cluster of approved additional study exists, AIAIU may designate a concentration, specialisation or minor subject to the applicable academic and recognition rules.

How progression works

The sequence is personalised, but the award standard remains fixed and auditable.

01

Foundation

Build the mathematical, computing and domain foundations that unlock later work.

02

Major core

Complete the compulsory disciplinary competencies that define the qualification.

03

Choice

Select advanced major modules and electives as prerequisites become satisfied.

04

Integrate

Applied practice and capstone evidence demonstrate professional-level integration.

Prerequisites, not semesters

AIAIU does not require students to wait for a semester boundary. Modules unlock when prerequisite competencies, evidence and any required approvals have been completed. A student with recognised prior learning may therefore follow a different sequence from another student in the same degree while still satisfying the same award requirements.

The student's academic command centre

Next valid action

The dashboard should prioritise the next unlocked academic action instead of displaying an undifferentiated course catalogue.

Why something is locked

The platform exposes prerequisites, missing evidence and the exact condition required for unlock.

Choice visibility

When a choice point opens, the student sees the available advanced modules/electives and how each contributes to degree requirements.

Credit + requirement tracking

Progress displays both credits earned and requirement categories completed so that 360 credits cannot hide a missing compulsory competency.

Electives & cross-faculty choice

Students get meaningful choice without reducing the compulsory disciplinary core.

University-wide elective pool

Every BSc student completes at least three approved 10-credit electives. The university-wide pool now contains 24 choices, and students may also use approved advanced modules from another degree where prerequisites and programme rules permit. The compulsory disciplinary core remains unchanged.

UNIVERSITY-WIDE ELECTIVES | UEL-101 TO UEL-112

CODE	MODULE	TYPE	CREDITS
UEL-101	Entrepreneurship & New Venture Fundamentals	Elective	10
UEL-102	Product Management for Technical Founders	Elective	10
UEL-103	Technology Consulting & Client Delivery	Elective	10
UEL-104	Financial Literacy for Technology Ventures	Elective	10
UEL-105	Technical Leadership & Team Systems	Elective	10
UEL-106	Innovation, Intellectual Property & Commercialisation	Elective	10
UEL-107	Privacy, Data Protection & Digital Regulation	Elective	10
UEL-108	Cloud Foundations for Technical Professionals	Elective	10
UEL-109	Cyber Security Foundations	Elective	10
UEL-110	Applied Data Analytics	Elective	10
UEL-111	AI Systems for Non-AI Specialists	Elective	10
UEL-112	Research Communication & Technical Publishing	Elective	10

Choice without dilution

Electives widen the student pathway; they do not replace required core, advanced-major, applied-practice or capstone requirements. The degree is awarded only when the full academic plan is satisfied.

Electives & cross-faculty choice

University-wide elective pool - continued.

University-wide elective pool

The university-wide elective pool continues below. Students may choose from any approved elective in the full pool according to their interests, prerequisites and programme rules.

UNIVERSITY-WIDE ELECTIVES | CONTINUED

CODE	MODULE	TYPE	CREDITS
UEL-113	User Experience, Interface Design & Human Behaviour	Elective	10
UEL-114	Sales, Negotiation & Technical Persuasion	Elective	10
UEL-115	Digital Marketing, Growth & Technology Brands	Elective	10
UEL-116	AI Content, Video & Synthetic Media	Elective	10
UEL-117	Automation, No-Code & Agentic Workflows	Elective	10
UEL-118	Technology Project Management & Agile Delivery	Elective	10
UEL-119	Contracts, Procurement & Technology Tendering	Elective	10
UEL-120	Psychology of Technology & Digital Behaviour	Elective	10
UEL-121	Technology Policy, Geopolitics & the Global Digital Economy	Elective	10
UEL-122	Sustainable Computing & Technology Impact	Elective	10
UEL-123	Health, Biotechnology & AI for Technical Professionals	Elective	10
UEL-124	Personal Finance, Investing & Wealth for Technical Professionals	Elective	10

One pool, genuine choice

Students may combine electives across entrepreneurship, design, communication, AI media, automation, project delivery, policy, sustainability, biotechnology, finance and other approved areas. Cross-faculty advanced modules may also be used where prerequisites and programme rules allow.

Examples: AI + Synthetic Media + Marketing; Cyber + Technology Policy + Negotiation; Robotics + UX + Biotechnology; Software + Project Management + Sales.

2026 undergraduate portfolio

Seven BSc degrees share the same flexible 32-module / 360-credit architecture.

CODE	UNDERGRADUATE PROGRAMME	MINIMUM CREDITS	STRUCTURE
BSC-AI	BSc Artificial Intelligence Engineering	360+	32 completed modules at the standard award threshold
BSC-DS	BSc Data Science	360+	32 completed modules at the standard award threshold
BSC-CS	BSc Cyber Security	360+	32 completed modules at the standard award threshold
BSC-SE	BSc Software Engineering	360+	32 completed modules at the standard award threshold
BSC-CD	BSc Cloud & DevOps Engineering	360+	32 completed modules at the standard award threshold
BSC-QC	BSc Quantum Computing	360+	32 completed modules at the standard award threshold
BSC-RA	BSc Robotics & Autonomous Systems	360+	32 completed modules at the standard award threshold

Common architecture

18 required core modules, 6 advanced major choices, at least 3 electives, 3 applied-practice modules and 2 capstones.

Extended study

Students may continue beyond 360 credits. Additional approved modules remain visible on the academic transcript.

2026 masters portfolio

Four research-led MSc degrees with 180 credits as the minimum award threshold.

CODE	MASTERS PROGRAMME	MINIMUM CREDITS	STRUCTURE
MSC-AI	MSc Artificial Intelligence	180+	Research-led MSc with optional additional postgraduate electives
MSC-DS	MSc Data Science	180+	Research-led MSc with optional additional postgraduate electives
MSC-CS	MSc Cyber Security	180+	Research-led MSc with optional additional postgraduate electives
MSC-SE	MSc Software Engineering	180+	Research-led MSc with optional additional postgraduate electives

Common architecture

60 credits compulsory advanced core, 45 credits chosen electives, 15 credits research methods and a 60-credit dissertation/research project.

Extended postgraduate study

Additional approved 15-credit electives may be taken beyond 180 credits and remain on the postgraduate transcript.

Recognition note. Programme titles and institutional credits describe AIAIU's academic design. Any jurisdiction-specific accreditation, registration, qualification-framework alignment or professional recognition must be stated separately and supported by the relevant authority.

BSc Artificial Intelligence Engineering

Programme overview and award requirements

BSC-AI

BSc Artificial Intelligence Engineering

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

360+ credits

A production-first artificial intelligence degree that combines mathematical foundations, software engineering, machine learning, deep learning, model evaluation, responsible AI and research. The programme deliberately leaves advanced AI choices open so students can build a pathway around the systems they want to create.

Professional directions

AI Engineer | ML Engineer | Agentic Systems Engineer | AI Product Engineer | Applied AI Researcher | AI Consultant

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

A substantial AI system, deployed product or research artefact with reproducible evidence, explicit evaluation, security considerations, documented limitations and a formal defence.

BSC-AI | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-101	Python Programming Fundamentals	Required Core	10
CSC-102	Computational Thinking & Logic		10
CSC-201	Data Structures & Algorithms		10
MAT-101	Advanced Linear Algebra, Geometry & Matrix Methods	Required Core	10
MAT-102	Calculus for Modelling & Optimisation	Required Core	10
MAT-103	Probability for Intelligent Systems	Required Core	10
MAT-104	Statistics & Experimental Reasoning	Required Core	10
DAT-101	Data Programming, Databases & Data Modelling	Required Core	10
CSC-202	Software Engineering for AI Systems	Required Core	10
AI-101	Machine Learning Foundations	Required Core	10
AI-201	Supervised Learning	Required Core	10
AI-202	Unsupervised Learning	Required Core	10
AI-203	Neural Networks	Required Core	10
AI-204	Deep Learning Systems	Required Core	10
DAT-201	Data Engineering & Pipelines	Required Core	10
AI-205	Responsible AI, Ethics & Governance	Required Core	10
AI-206	MLOps, Evaluation & Model Reliability	Required Core	10
RES-202	Research Methods for AI & Computing	Required Core	10

BSC-AI | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 6

60 credits

CODE	MODULE	TYPE	CREDITS
AI-301	Computer Vision	Advanced Choice	10
AI-302	Natural Language Processing	Advanced Choice	10
AI-303	Foundation Models	Advanced Choice	10
AI-304	LLM Engineering, RAG & Adaptation	Advanced Choice	10
AI-305	Agentic AI Systems	Advanced Choice	10
AI-306	Multi-Agent Systems	Advanced Choice	10
AI-307	Reinforcement Learning	Advanced Choice	10
AI-308	Multimodal AI	Advanced Choice	10
AI-309	Generative AI Systems	Advanced Choice	10
AI-310	AI Safety & Alignment	Advanced Choice	10
AI-311	AI Security & Adversarial ML	Advanced Choice	10
AI-312	Edge & On-Device AI	Advanced Choice	10

Applied practice - complete all 3

30 credits

CODE	MODULE	TYPE	CREDITS
AI-L401	Cloud AI Systems Lab	Applied Practice	10
AI-L402	AI Product & Venture Lab	Applied Practice	10
AI-L403	AI Consulting, Delivery & Commercialisation	Applied Practice	10

Capstone - complete both

60 credits

CODE	MODULE	TYPE	CREDITS
AI-C501	AI Capstone I: Architecture, Proposal & Prototype	Capstone	30
AI-C502	AI Capstone II: Production, Evaluation & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

BSc Data Science

Programme overview and award requirements

BSC-DS

BSc Data Science

360+ credits

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

A full-stack data degree combining statistical reasoning, analytics, data engineering, experimentation, machine learning and decision communication. Students master the common data-science core and then choose advanced topics that match their intended industry or research direction.

Professional directions

Data Scientist | Analytics Engineer | BI Engineer | Decision Scientist | Quantitative Analyst | Data Product Manager

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

An end-to-end data product, causal study or applied research project with reproducible data lineage, justified methods, evaluation, stakeholder-facing outputs and a formal defence.

BSC-DS | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-101	Python Programming Fundamentals	Required Core	10
DAT-101	Data Programming, Databases & Data Modelling		10
MAT-101	Advanced Linear Algebra, Geometry & Matrix Methods	Required Core	10
MAT-102	Calculus for Modelling & Optimisation	Required Core	10
MAT-103	Probability for Intelligent Systems	Required Core	10
MAT-104	Statistics & Experimental Reasoning	Required Core	10
DAT-102	Databases & SQL	Required Core	10
DAT-103	Data Wrangling & Quality	Required Core	10
DAT-104	Data Visualisation & Storytelling	Required Core	10
DAT-105	Business Intelligence & Decision Analytics	Required Core	10
DAT-201	Data Engineering & Pipelines	Required Core	10
AI-101	Machine Learning Foundations	Required Core	10
AI-102	Machine Learning for Data Science II	Required Core	10
DAT-202	Experimental Design & A/B Testing	Required Core	10
DAT-203	Causal Inference	Required Core	10
DAT-204	Time Series & Forecasting	Required Core	10
DAT-205	Data Ethics, Privacy & Governance*	Required Core	10
RES-201	Research Methods for Data Science	Required Core	10

COURSEBOOK INVENTORY NOTE

* Required module retained to preserve the approved 18-module / 360-credit structure; no matching coursebook was found in the supplied AIAIUpdf archive.

BSC-DS | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 660 credits

CODE	MODULE	TYPE	CREDITS
DAT-301	NLP & Text Mining	Advanced Choice	10
DAT-302	Bayesian Modelling	Advanced Choice	10
DAT-303	Recommender Systems	Advanced Choice	10
DAT-304	Deep Learning for Data Scientists	Advanced Choice	10
DAT-305	Distributed Data Processing & Lakehouse Systems	Advanced Choice	10
DAT-306	Analytics Engineering	Advanced Choice	10
DAT-307	Financial Data Science	Advanced Choice	10
DAT-308	Health Analytics	Advanced Choice	10
DAT-309	Geospatial & Urban Analytics	Advanced Choice	10
DAT-310	Advanced Forecasting & Decision Systems	Advanced Choice	10
DAT-311	Data Product Engineering	Advanced Choice	10
DAT-312	Graph Analytics & Network Science	Advanced Choice	10

Applied practice - complete all 330 credits

CODE	MODULE	TYPE	CREDITS
DAT-L401	Cloud Data Platform Lab	Applied Practice	10
DAT-L402	Decision Intelligence & BI Lab	Applied Practice	10
DAT-L403	Data Product, Consulting & Commercialisation	Applied Practice	10

Capstone - complete both60 credits

CODE	MODULE	TYPE	CREDITS
DAT-C501	Data Science Capstone I: Research Design & Prototype	Capstone	30
DAT-C502	Data Science Capstone II: Production, Analysis & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

BSc Cyber Security

Programme overview and award requirements

BSC-CS

360+ credits

BSc Cyber Security

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

A practitioner-led cyber security degree covering systems, networks, offensive and defensive security, secure development, incident response, cloud security, threat intelligence and governance. Advanced choices allow students to lean toward red team, blue team, forensics, AI security or secure-systems engineering.

Professional directions

Security Engineer | Penetration Tester | SOC Analyst | Threat Hunter | Cloud Security Engineer | Cyber Consultant

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

A controlled security engagement or secure-systems project with explicit authorisation, evidence preservation, technical findings, remediation guidance, executive reporting and a formal defence.

BSC-CS | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-111	Python & Security Scripting	Required Core	10
SYS-101	Linux Systems Administration		10
NET-111	Networking & TCP/IP	Required Core	10
NET-102	Network Protocols & Packet Analysis	Required Core	10
SEC-101	Cyber Security Foundations	Required Core	10
SEC-102	Web Technologies & HTTP	Required Core	10
SEC-103	Cryptography Fundamentals	Required Core	10
SEC-104	Secure Programming & Code Review	Required Core	10
SEC-201	Web Application Security	Required Core	10
SEC-202	Offensive Security Foundations	Required Core	10
SEC-203	Digital Forensics & Incident Response	Required Core	10
SEC-204	Malware Analysis & Reverse Engineering	Required Core	10
SEC-205	Cloud Security	Required Core	10
SEC-206	Identity, Active Directory & Windows Security	Required Core	10
SEC-207	Security Operations & Detection Engineering	Required Core	10
SEC-208	Threat Intelligence	Required Core	10
SEC-209	Cyber Law, Privacy & Governance	Required Core	10
RES-203	Security Research Methods & Evidence	Required Core	10

BSC-CS | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 6

60 credits

CODE	MODULE	TYPE	CREDITS
SEC-301	Red Team Operations	Advanced Choice	10
SEC-302	Exploit Development & Vulnerability Research	Advanced Choice	10
SEC-303	Advanced Threat Hunting	Advanced Choice	10
SEC-304	APT & Nation-State Tradecraft Analysis	Advanced Choice	10
SEC-305	AI Security & Adversarial Systems	Advanced Choice	10
SEC-306	Mobile & API Security	Advanced Choice	10
SEC-307	ICS / OT Security	Advanced Choice	10
SEC-308	Advanced Digital Forensics	Advanced Choice	10
SEC-309	Security Architecture & Zero Trust	Advanced Choice	10
SEC-310	Cloud Red Teaming & Defence	Advanced Choice	10
SEC-311	Post-Quantum Security	Advanced Choice	10
SEC-312	Privacy Engineering	Advanced Choice	10

Applied practice - complete all 3

30 credits

CODE	MODULE	TYPE	CREDITS
SEC-L401	Offensive / Defensive Security Lab	Applied Practice	10
SEC-L402	Secure Architecture & Incident Lab	Applied Practice	10
SEC-L403	Cyber Consulting & Professional Reporting	Applied Practice	10

Capstone - complete both

60 credits

CODE	MODULE	TYPE	CREDITS
SEC-C501	Cyber Capstone I: Scope, Threat Model & Test Plan	Capstone	30
SEC-C502	Cyber Capstone II: Red/Blue Exercise & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

BSc Software Engineering

Programme overview and award requirements

BSC-SE

BSc Software Engineering

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

360+ credits

A systems-oriented software engineering degree focused on architecture, testing, distributed systems, cloud delivery, security and modern AI-assisted engineering. The common core establishes professional engineering discipline; advanced modules let students specialise in the kinds of systems they want to build.

Professional directions

Software Engineer | Backend Engineer | Full-Stack Engineer | Platform Engineer | Solutions Architect | Technical Founder

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

A production-grade software system with architecture records, automated tests, CI/CD, observability, security controls, deployment evidence, maintainability documentation and a formal defence.

BSC-SE | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-101	Python Programming Fundamentals	Required Core	10
CSC-113	JavaScript & TypeScript		10
CSC-102	Computational Thinking & Logic	Required Core	10
MAT-111	Discrete Mathematics for Computing	Required Core	10
CSC-201	Data Structures & Algorithms	Required Core	10
CSC-212	Object-Oriented & Functional Programming	Required Core	10
WEB-101	Frontend Web Engineering	Required Core	10
WEB-102	Backend Development & APIs	Required Core	10
DAT-102	Databases & SQL	Required Core	10
CSC-203	Operating Systems & Linux	Required Core	10
NET-101	Networking for Software Engineers	Required Core	10
CSC-301	System Design & Architecture	Required Core	10
CSC-302	Software Testing & Quality Engineering	Required Core	10
CSC-303	Git, CI/CD & Release Engineering	Required Core	10
CLD-101	Cloud Engineering Foundations	Required Core	10
CSC-304	Distributed Systems	Required Core	10
SEC-104	Secure Programming & Code Review	Required Core	10
RES-204	Software Engineering Research & Technical Communication	Required Core	10

BSC-SE | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 6

60 credits

CODE	MODULE	TYPE	CREDITS
CSC-401	Microservices & Event-Driven Systems	Advanced Choice	10
CSC-402	Cross-Platform Mobile Engineering	Advanced Choice	10
CSC-403	Programming Languages & Compilers	Advanced Choice	10
CSC-404	High-Performance & Concurrent Systems	Advanced Choice	10
CSC-405	AI-Assisted Software Engineering	Advanced Choice	10
CSC-406	Developer Tools & Automation	Advanced Choice	10
CSC-407	Data-Intensive Application Engineering	Advanced Choice	10
CSC-408	Platform Engineering & Internal Developer Platforms	Advanced Choice	10
CSC-409	Observability & Site Reliability	Advanced Choice	10
CSC-410	Human-Computer Interaction	Advanced Choice	10
CSC-411	Blockchain & Distributed Ledger Engineering	Advanced Choice	10
CSC-412	Real-Time & Embedded Software	Advanced Choice	10

Applied practice - complete all 3

30 credits

CODE	MODULE	TYPE	CREDITS
CSC-L501	Production Product Build Lab	Applied Practice	10
CSC-L502	Open Source / Production Contribution	Applied Practice	10
CSC-L503	Technical Product, Consulting & Commercialisation	Applied Practice	10

Capstone - complete both

60 credits

CODE	MODULE	TYPE	CREDITS
CSC-C601	Software Capstone I: Architecture & Prototype	Capstone	30
CSC-C602	Software Capstone II: Production System & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

BSc Cloud & DevOps Engineering

Programme overview and award requirements

BSC-CD

BSc Cloud & DevOps Engineering

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

360+ credits

A cloud-native engineering degree covering Linux, networking, automation, containers, Kubernetes, infrastructure as code, observability, SRE, security and cloud economics. Advanced choices allow students to specialise in platform engineering, resilience, multi-cloud, AI infrastructure or security.

Professional directions

DevOps Engineer | Cloud Architect | Site Reliability Engineer | Platform Engineer | Infrastructure Engineer | FinOps Engineer

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

A production-style cloud platform with infrastructure as code, security controls, automated delivery, observability, reliability objectives, cost analysis, recovery evidence and a formal defence.

BSC-CD | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-101	Python Programming Fundamentals	Required Core	10
SYS-101	Linux Systems Administration		10
NET-111	Networking & TCP/IP	Required Core	10
CLD-101	Cloud Engineering Foundations	Required Core	10
DEV-101	Git, CI/CD & Release Automation	Required Core	10
CLD-102	AWS Core Services	Required Core	10
CLD-103	Azure Core Services	Required Core	10
CLD-104	Containers & Docker	Required Core	10
CLD-201	Kubernetes & Orchestration	Required Core	10
CLD-202	Infrastructure as Code with Terraform	Required Core	10
CLD-203	Configuration & Fleet Management	Required Core	10
CLD-204	Monitoring, Logging & Observability*	Required Core	10
CLD-205	Site Reliability Engineering	Required Core	10
SEC-111	Cloud Security Foundations	Required Core	10
SEC-112	Identity, Secrets & Access Control	Required Core	10
CSC-222	Distributed Systems for Cloud Engineers	Required Core	10
DAT-111	Cloud Storage & Database Systems	Required Core	10
CLD-206	FinOps, Governance & Cloud Economics	Required Core	10

COURSEBOOK INVENTORY NOTE

* Required module retained to preserve the approved 18-module / 360-credit structure; no matching coursebook was found in the supplied AIAIUpdf archive.

BSC-CD | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 660 credits

CODE	MODULE	TYPE	CREDITS
CLD-301	Platform Engineering	Advanced Choice	10
CLD-302	GitOps at Scale	Advanced Choice	10
CLD-303	Multi-Cloud Architecture	Advanced Choice	10
CLD-304	Serverless & Event-Driven Cloud	Advanced Choice	10
CLD-305	Resilience Engineering & Chaos Testing	Advanced Choice	10
CLD-306	Service Mesh & Cloud Networking	Advanced Choice	10
CLD-307	Advanced Observability & eBPF	Advanced Choice	10
CLD-308	Data Platform Operations	Advanced Choice	10
CLD-309	AI Infrastructure & MLOps Platforms	Advanced Choice	10
CLD-310	Edge & Hybrid Cloud	Advanced Choice	10
CLD-311	Cloud Security Engineering	Advanced Choice	10
CLD-312	Disaster Recovery & Business Continuity	Advanced Choice	10

Applied practice - complete all 330 credits

CODE	MODULE	TYPE	CREDITS
CLD-L401	Cloud Architecture & Automation Lab	Applied Practice	10
CLD-L402	Incident, Resilience & Recovery Lab	Applied Practice	10
CLD-L403	Platform Product & Cloud Consulting Lab	Applied Practice	10

Capstone - complete both60 credits

CODE	MODULE	TYPE	CREDITS
CLD-C501	Cloud Capstone I: Architecture, IaC & Reliability Plan	Capstone	30
CLD-C502	Cloud Capstone II: Operated Platform & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

BSc Quantum Computing

Programme overview and award requirements

BSC-QC

BSc Quantum Computing

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

360+ credits

A mathematically rigorous computing degree that develops classical foundations before moving into quantum information, circuits, algorithms, noise, error correction and quantum software. Students can specialise toward algorithms, hardware, simulation, security or quantum machine learning.

Professional directions

Quantum Software Engineer | Quantum Algorithm Developer | Quantum Research Assistant | Quantum Applications Engineer | Quantum Security Specialist

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

A research or engineering project using simulators or accessible quantum hardware, with reproducible experiments, rigorous interpretation, limitations, technical documentation and a formal defence.

BSC-QC | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-101	Python Programming Fundamentals	Required Core	10
CSC-114	Classical Algorithms & Data Structures		10
MAT-101	Advanced Linear Algebra, Geometry & Matrix Methods	Required Core	10
MAT-102	Calculus for Modelling & Optimisation	Required Core	10
MAT-103	Probability for Intelligent Systems	Required Core	10
MAT-111	Discrete Mathematics for Computing	Required Core	10
PHY-101	Foundations of Quantum Mechanics	Required Core	10
QTM-101	Qubits, States & Measurement	Required Core	10
QTM-102	Quantum Gates & Circuits	Required Core	10
QTM-201	Quantum Information Theory	Required Core	10
QTM-202	Quantum Algorithms I	Required Core	10
QTM-203	Quantum Algorithms II	Required Core	10
QTM-204	Noise, Decoherence & Open Quantum Systems	Required Core	10
QTM-205	Quantum Error Correction	Required Core	10
QTM-206	Quantum Software Frameworks	Required Core	10
QTM-207	Quantum Complexity & Advantage	Required Core	10
SEC-211	Post-Quantum Cryptography Foundations	Required Core	10
RES-205	Research Methods for Quantum Technologies	Required Core	10

BSC-QC | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 6

60 credits

CODE	MODULE	TYPE	CREDITS
QTM-301	Variational Quantum Algorithms	Advanced Choice	10
QTM-302	Quantum Machine Learning	Advanced Choice	10
QTM-303	Quantum Simulation	Advanced Choice	10
QTM-304	Quantum Optimisation	Advanced Choice	10
QTM-305	Quantum Networking & Communications	Advanced Choice	10
QTM-306	Quantum Hardware & Control	Advanced Choice	10
QTM-307	Photonic Quantum Computing	Advanced Choice	10
QTM-308	Topological Quantum Computing	Advanced Choice	10
QTM-309	Advanced Quantum Error Correction	Advanced Choice	10
QTM-310	Quantum Chemistry & Materials	Advanced Choice	10
QTM-311	Quantum Finance	Advanced Choice	10
QTM-312	Quantum Security & Cryptanalysis	Advanced Choice	10

Applied practice - complete all 3

30 credits

CODE	MODULE	TYPE	CREDITS
QTM-L401	Quantum Programming Lab	Applied Practice	10
QTM-L402	Quantum Benchmarking & Simulation Lab	Applied Practice	10
QTM-L403	Quantum Technology Translation & Venture Lab	Applied Practice	10

Capstone - complete both

60 credits

CODE	MODULE	TYPE	CREDITS
QTM-C501	Quantum Capstone I: Research Question & Experimental Design	Capstone	30
QTM-C502	Quantum Capstone II: Implementation, Results & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

BSc Robotics & Autonomous Systems

Programme overview and award requirements

BSC-RA

360+ credits

BSc Robotics & Autonomous Systems

SELF-PACED | PREREQUISITE-DRIVEN | 32-MODULE STANDARD AWARD PATHWAY

An integrated robotics and autonomy degree combining software, mathematics, mechanics, control, sensing, embedded systems, perception, localisation and planning. Students can specialise in autonomous vehicles, drones, manipulation, humanoids, swarm systems or learning-based robotics.

Professional directions

Robotics Engineer | Autonomous Systems Engineer | Perception Engineer | Controls Engineer | Robotics Software Engineer | Autonomy Researcher

18

Required core

180 credits

6 of 12

Advanced major choices

60 credits

3+

Approved electives

30 credits minimum

3

Applied practice

30 credits

2

Capstones

60 credits

360

Graduation threshold

Additional approved credits allowed

Capstone expectation

An integrated robotic or autonomous system with measurable requirements, simulation or physical evidence, safety analysis, evaluation, engineering documentation and a formal defence.

BSC-RA | Required core

The compulsory foundation and major competencies of the degree.

Required core - complete all 18 modules

180 credits

These modules define the minimum disciplinary core. RPL may satisfy a requirement only through the formal evidence and approval process.

CODE	MODULE	TYPE	CREDITS
CSC-101	Python Programming Fundamentals	Required Core	10
CSC-122	C++ for Robotics		10
MAT-101	Advanced Linear Algebra, Geometry & Matrix Methods	Required Core	10
MAT-102	Calculus for Modelling & Optimisation	Required Core	10
MAT-103	Probability for Intelligent Systems	Required Core	10
PHY-111	Mechanics for Robotics	Required Core	10
ELE-101	Electronics & Embedded Systems	Required Core	10
ROB-101	Robotics Foundations	Required Core	10
ROB-102	Sensors & Instrumentation	Required Core	10
ROB-201	Robot Kinematics	Required Core	10
ROB-202	Robot Dynamics	Required Core	10
ROB-203	Control Systems	Required Core	10
ROB-204	Signal Processing	Required Core	10
AI-211	Computer Vision for Robotics	Required Core	10
ROB-205	Localisation, Mapping & SLAM	Required Core	10
ROB-206	Motion Planning & Navigation	Required Core	10
ROB-207	ROS, Simulation & Robotics Software	Required Core	10
RES-206	Autonomy Safety, Ethics & Research Methods	Required Core	10

BSC-RA | Student choice

Advanced major choices, applied practice, electives and capstone.

Advanced major pool - choose any 660 credits

CODE	MODULE	TYPE	CREDITS
ROB-301	Autonomous Vehicle Systems	Advanced Choice	10
ROB-302	Uncrewed Aerial Systems & Drones	Advanced Choice	10
ROB-303	Reinforcement Learning for Robotics	Advanced Choice	10
ROB-304	Multi-Robot & Swarm Systems	Advanced Choice	10
ROB-305	Manipulation & Grasping	Advanced Choice	10
ROB-306	Humanoid Robotics	Advanced Choice	10
ROB-307	Edge AI for Robotics	Advanced Choice	10
ROB-308	Advanced Sensor Fusion	Advanced Choice	10
ROB-309	Human-Robot Interaction	Advanced Choice	10
ROB-310	Digital Twins & High-Fidelity Simulation	Advanced Choice	10
ROB-311	Soft Robotics	Advanced Choice	10
ROB-312	Safety-Critical Autonomous Systems	Advanced Choice	10

Applied practice - complete all 330 credits

CODE	MODULE	TYPE	CREDITS
ROB-L401	Robotics Integration Lab	Applied Practice	10
ROB-L402	Autonomy Field / Simulation Lab	Applied Practice	10
ROB-L403	Robotics Product & Systems Venture Lab	Applied Practice	10

Capstone - complete both60 credits

CODE	MODULE	TYPE	CREDITS
ROB-C501	Robotics Capstone I: System Design & Prototype	Capstone	30
ROB-C502	Robotics Capstone II: Integrated Autonomous System & Defence	Capstone	30

Plus at least 30 elective credits. Choose at least three approved 10-credit electives from the university-wide elective pool or approved cross-faculty advanced modules. Prerequisites still apply.

Masters architecture

Research-led flexibility with 180 credits as the minimum, not the maximum.

4

Advanced core modules

60 credits total.

3

Chosen electives

45 credits from the programme's postgraduate elective pool.

15

Research methods

Advanced research design and scholarly communication.

60

Dissertation / research project

The research centre of gravity of the MSc.

180

Minimum award threshold

All formal award requirements must also be satisfied.

180+

Extended study allowed

Additional 15-credit electives can remain on the postgraduate transcript.

Masters award rule

Complete 60 credits of compulsory advanced core, 45 credits of approved electives, 15 credits of advanced research methods and a 60-credit dissertation or equivalent research project. Additional approved postgraduate electives may be completed beyond 180 credits.

Research integrity. AI tools may assist literature organisation, critique, coding, analysis and drafting workflows, but the student remains accountable for methods, evidence, citations, authorship, originality and the final defended work.

MSc Artificial Intelligence

Advanced core and elective choices

MSC-AI

MSc Artificial Intelligence

SELF-PACED | RESEARCH-LED | SUPERVISED | EXTENDED STUDY PERMITTED

180+ credits

Advanced artificial intelligence for practitioners and researchers who want to work at the frontier of learning systems, foundation models, agentic systems, safety and applied AI research.

Compulsory advanced core - complete all 4

60 credits

CODE	MODULE	TYPE	CREDITS
MSCAI-701	Advanced Machine Learning Theory	Required Core	15
MSCAI-702	AI Systems Evaluation, Reliability & Robustness	Required Core	15
MSCAI-703	Foundation Models & Agentic Systems	Required Core	15
MSCAI-704	AI Ethics, Safety, Policy & Research Integrity	Required Core	15

Postgraduate elective pool - choose any 3

45 credits minimum

CODE	MODULE	TYPE	CREDITS
MSCAI-E01	Advanced Foundation Model Adaptation	Masters Elective	15
MSCAI-E02	Multi-Agent Systems & Collective Intelligence	Masters Elective	15
MSCAI-E03	Advanced Reinforcement Learning	Masters Elective	15
MSCAI-E04	Multimodal Intelligence	Masters Elective	15
MSCAI-E05	AI Safety & Alignment Research	Masters Elective	15
MSCAI-E06	AI Security & Adversarial Learning	Masters Elective	15
MSCAI-E07	Advanced Computer Vision	Masters Elective	15
MSCAI-E08	AI for Health & Scientific Discovery	Masters Elective	15
MSCAI-E09	Efficient & Edge AI	Masters Elective	15
MSCAI-E10	Human-AI Interaction	Masters Elective	15

MSC-AI | Research component

Research is the centrepiece of the masters degree.

Research methods

15 credits

CODE	MODULE	TYPE	CREDITS
MSCAI-790	Advanced Research Methods & Academic Writing	Research	15

Dissertation / research project

60 credits

CODE	MODULE	TYPE	CREDITS
MSCAI-800	Masters Dissertation / Research Project	Thesis	60

Standard MSc

180 credits when all core, elective, research-method and dissertation requirements are satisfied.

Extended MSc transcript

Students may complete additional approved 15-credit electives after the minimum. The degree remains the MSc; the transcript records the extra postgraduate learning.

Supervision and examination

Research topics must be viable in scope, ethics, supervision and available resources. AIAIU may appoint internal supervisors, external specialists or co-supervisors. Independent examination should be used where required by the applicable academic and recognition framework.

MSc Data Science

Advanced core and elective choices

MSC-DS

MSc Data Science

SELF-PACED | RESEARCH-LED | SUPERVISED | EXTENDED STUDY PERMITTED

180+ credits

Advanced statistical learning, causal inference, large-scale data systems and decision science, with elective routes into specialised analytical domains.

Compulsory advanced core - complete all 4

60 credits

CODE	MODULE	TYPE	CREDITS
MSCDS-701	Advanced Statistical Learning	Required Core	15
MSCDS-702	Causal Inference & Experimental Design	Required Core	15
MSCDS-703	Large-Scale Data Systems	Required Core	15
MSCDS-704	Decision Science, Uncertainty & Model Risk	Required Core	15

Postgraduate elective pool - choose any 3

45 credits minimum

CODE	MODULE	TYPE	CREDITS
MSCDS-E01	Bayesian Data Science	Masters Elective	15
MSCDS-E02	Financial Data Science	Masters Elective	15
MSCDS-E03	Health Analytics & Biostatistics	Masters Elective	15
MSCDS-E04	NLP & Text Mining	Masters Elective	15
MSCDS-E05	Spatial & Urban Analytics	Masters Elective	15
MSCDS-E06	Graph & Network Analytics	Masters Elective	15
MSCDS-E07	Advanced Time Series & Forecasting	Masters Elective	15
MSCDS-E08	Deep Learning for Structured & Unstructured Data	Masters Elective	15
MSCDS-E09	Responsible Data Systems & Privacy Engineering	Masters Elective	15
MSCDS-E10	Data Products & Analytics Engineering	Masters Elective	15

MSC-DS | Research component

Research is the centrepiece of the masters degree.

Research methods

15 credits

CODE	MODULE	TYPE	CREDITS
MSCDS-790	Advanced Research Methods & Academic Writing	Research	15

Dissertation / research project

60 credits

CODE	MODULE	TYPE	CREDITS
MSCDS-800	Masters Dissertation / Research Project	Thesis	60

Standard MSc

180 credits when all core, elective, research-method and dissertation requirements are satisfied.

Extended MSc transcript

Students may complete additional approved 15-credit electives after the minimum. The degree remains the MSc; the transcript records the extra postgraduate learning.

Supervision and examination

Research topics must be viable in scope, ethics, supervision and available resources. AIAIU may appoint internal supervisors, external specialists or co-supervisors. Independent examination should be used where required by the applicable academic and recognition framework.

MSc Cyber Security

Advanced core and elective choices

MSC-CS

MSc Cyber Security

SELF-PACED | RESEARCH-LED | SUPERVISED | EXTENDED STUDY PERMITTED

180+ credits

Advanced offensive and defensive security, security engineering and threat research with specialised options in exploit research, digital forensics, AI security and critical infrastructure.

Compulsory advanced core - complete all 4

60 credits

CODE	MODULE	TYPE	CREDITS
MSCCS-701	Advanced Security Engineering	Required Core	15
MSCCS-702	Advanced Offensive & Defensive Operations	Required Core	15
MSCCS-703	Threat Intelligence, Attribution & Detection Research	Required Core	15
MSCCS-704	Security Governance, Law & Expert Practice	Required Core	15

Postgraduate elective pool - choose any 3

45 credits minimum

CODE	MODULE	TYPE	CREDITS
MSCCS-E01	Exploit Development & Vulnerability Research	Masters Elective	15
MSCCS-E02	Red Team Operations at Scale	Masters Elective	15
MSCCS-E03	Advanced Digital Forensics	Masters Elective	15
MSCCS-E04	Malware & Reverse Engineering Research	Masters Elective	15
MSCCS-E05	AI Security & Adversarial Systems	Masters Elective	15
MSCCS-E06	Cloud & Identity Security Research	Masters Elective	15
MSCCS-E07	OT / Critical Infrastructure Security	Masters Elective	15
MSCCS-E08	Privacy Engineering & Applied Cryptography	Masters Elective	15
MSCCS-E09	Post-Quantum Security	Masters Elective	15
MSCCS-E10	Security Economics, Risk & Resilience	Masters Elective	15

MSC-CS | Research component

Research is the centrepiece of the masters degree.

Research methods

15 credits

CODE	MODULE	TYPE	CREDITS
MSCCS-790	Advanced Security Research Methods	Research	15

Dissertation / research project

60 credits

CODE	MODULE	TYPE	CREDITS
MSCCS-800	Masters Dissertation / Security Research Project	Thesis	60

Standard MSc

180 credits when all core, elective, research-method and dissertation requirements are satisfied.

Extended MSc transcript

Students may complete additional approved 15-credit electives after the minimum. The degree remains the MSc; the transcript records the extra postgraduate learning.

Supervision and examination

Research topics must be viable in scope, ethics, supervision and available resources. AIAIU may appoint internal supervisors, external specialists or co-supervisors. Independent examination should be used where required by the applicable academic and recognition framework.

MSc Software Engineering

Advanced core and elective choices

MSC-SE

MSc Software Engineering

SELF-PACED | RESEARCH-LED | SUPERVISED | EXTENDED STUDY PERMITTED

180+ credits

Advanced software systems and technical leadership, combining distributed systems, architecture, programming language design and empirical software engineering with specialised research choices.

Compulsory advanced core - complete all 4

60 credits

CODE	MODULE	TYPE	CREDITS
MSCSE-701	Distributed Systems Engineering at Scale	Required Core	15
MSCSE-702	Advanced System Design & Architecture	Required Core	15
MSCSE-703	Programming Language Theory & Design	Required Core	15
MSCSE-704	Software Reliability & Empirical Engineering	Required Core	15

Postgraduate elective pool - choose any 3

45 credits minimum

CODE	MODULE	TYPE	CREDITS
MSCSE-E01	Cloud-Native & Platform Engineering	Masters Elective	15
MSCSE-E02	Developer Tools & AI-Assisted Engineering	Masters Elective	15
MSCSE-E03	High-Performance & Concurrent Systems	Masters Elective	15
MSCSE-E04	Programming Languages & Compiler Engineering	Masters Elective	15
MSCSE-E05	Human-Computer Interaction Research	Masters Elective	15
MSCSE-E06	Secure Software Systems	Masters Elective	15
MSCSE-E07	Data-Intensive Systems	Masters Elective	15
MSCSE-E08	Software Architecture for AI Systems	Masters Elective	15
MSCSE-E09	Open Source Ecosystems & Software Supply Chains	Masters Elective	15
MSCSE-E10	Engineering Management & Technical Organisations	Masters Elective	15

MSC-SE | Research component

Research is the centrepiece of the masters degree.

Research methods

15 credits

CODE	MODULE	TYPE	CREDITS
MSCSE-790	Advanced Research Methods & Academic Writing	Research	15

Dissertation / research project

60 credits

CODE	MODULE	TYPE	CREDITS
MSCSE-800	Masters Dissertation / Research Project	Thesis	60

Standard MSc

180 credits when all core, elective, research-method and dissertation requirements are satisfied.

Extended MSc transcript

Students may complete additional approved 15-credit electives after the minimum. The degree remains the MSc; the transcript records the extra postgraduate learning.

Supervision and examination

Research topics must be viable in scope, ethics, supervision and available resources. AIAIU may appoint internal supervisors, external specialists or co-supervisors. Independent examination should be used where required by the applicable academic and recognition framework.

Assessment, integrity & RPL

Flexible pathways still require explicit, auditable evidence of competency.

Assessment is the gate

Time spent in a module does not complete it. Required evidence, assessment and any moderation conditions do.

AI-assisted marking

Where enabled, AI may provide provisional rubric-linked feedback. Human academic authority remains available or mandatory where programme rules require it.

Academic integrity

Students remain accountable for submitted work, citations, authorship, evidence and compliance with assessment rules.

Human authority

RPL awards, final moderated decisions, research approvals and other governed academic actions remain attributable to authorised humans.

Recognition of Prior Learning

A

Evidence

Prior study, certifications, publications, repositories, professional work or documented experience.

B

Mapping

Evidence is mapped to the formal outcomes and competencies of specific requirements.

C

Challenge

A targeted assessment, oral defence or practical demonstration may be required.

D

Decision

Authorised academic staff approve, reject or partially recognise the claim.

RPL is not a shortcut around standards. It is an alternative evidence route to the same competency requirement.

The AI-native learning environment

AI reduces friction in learning and navigation while formal academic rules remain explicit.

AI TUTOR

Explanation & practice

The Tutor works inside the enrolled module context, diagnoses gaps, generates practice and helps the student identify the next valid academic action.

AI PROFESSOR

Depth & critique

The Professor supports higher-order conceptual discussion, synthesis, research framing, critique and advanced academic feedback.

OFFICIAL COURSE BOOKS

Versioned learning material

Module course books, outcomes, competencies and assessments are versioned and linked to the academic context in which the student studied.

CURRICULUM FRESHNESS

Current without silent drift

Fast-moving fields can be monitored against curated sources and flagged for staff review before approved academic material changes.

Academic-plan invariance

A student's award requirements are versioned at enrolment. Course material can improve, and students can choose among available approved options, but required outcomes and completion rules are not silently rewritten mid-programme. Material curriculum changes create a new governed plan version.

Admission, recognition & governance

A flexible academic model still requires clear institutional and regulatory boundaries.

Undergraduate entry

Entry processes may include identity verification, readiness diagnostics and programme-specific requirements. Diagnostics identify starting support needs and do not automatically grant credit.

Masters entry

Relevant prior study or an approved evidence-based alternative route, a research concept and assessment of supervisory fit are expected.

Catalogue governance

- Programme and academic-plan changes are versioned.
- Elective availability depends on approved materials, assessment capacity and prerequisites.
- The live enrolment portal and student agreement govern current commercial terms and fees.
- Recognition, accreditation, qualification-framework alignment and professional registration claims are published only when supported by the relevant authority.
- Students can determine which academic-plan version governs their enrolment.

Public-release checklist. Before publication as an official recruitment document, insert the exact legal entity, official website, admissions contact, jurisdiction-specific registration/accreditation disclosures and the version/date of the governing student agreement.

MODULE IDENTITY RULE

One module code denotes one canonical module. A code may appear in multiple programmes only when the same coursebook, outcomes and assessment identity are intentionally shared. Different modules must use different codes.

AIAIU 2026

A flexible technical university built around capability, evidence and student choice.

AIAIU is designed around a simple idea: define the standard clearly, let students build a coherent route through it, and let demonstrated capability - not calendar time - determine the pace.

Choose

Students select advanced modules and electives that fit their goals while prerequisites preserve academic coherence.

Build

Applied practice and capstones produce systems, research, reports and portfolios that can be inspected.

Prove

Assessment evidence, not elapsed time, determines completion.

Extend

360 and 180 credits are minimum award thresholds. Motivated students can keep learning beyond them.

VERSION 3.1 summary

7 BSc degrees | standard 32-module / 360-credit undergraduate architecture | 18 required core modules | 6 advanced major choices | at least 3 electives | 3 applied-practice modules | 2 capstones | 360+ credit transcripts | 4 flexible MSc degrees | 180+ postgraduate credits | AI Tutor | AI Professor | human academic oversight | RPL | versioned academic plans.