

ACADEMIC ROLE DUTY STATEMENT

Role-Specific Information



(To be read in conjunction with the Position Description)

About this document

This document provides additional information specific to this role, including details about the work area, expectations, and selection criteria.

It is intended to complement the Academic Position Description (PD), which outlines the broader responsibilities and expectations of the role in line with Murdoch University's Academic Career Expectations (ACE) Framework.

To avoid duplication, information already included in the PD is not repeated here.

Important information for applicants

This document focuses on what is specific to this role, School or discipline. It should be read alongside the Academic Position Description, which forms the primary reference for the role. The appointment level, scope of responsibilities and expected academic contribution will be determined at appointment and applied in accordance with Murdoch University's Academic Career Expectations (ACE) Framework, workload allocation principles, School priorities, and the strategic and operational needs of the University.

Discipline / Subject Area	AI and Data Science
Reports to	Discipline Lead IT, Murdoch University Dubai
Division	Global Engagement
College	Transnational Education

About The Work Area

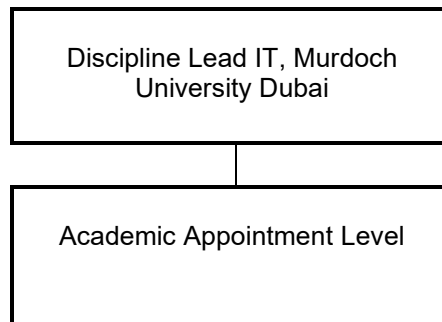
The IT discipline at Murdoch University Dubai delivers contemporary, industry-relevant education that prepares graduates to design, develop, evaluate and responsibly apply artificial intelligence and data-driven solutions across organisational, industry and societal contexts.

The discipline integrates computer science, statistics, programming, machine learning, data engineering, analytics and responsible innovation. Students develop capability in data management, statistical and predictive modelling, artificial intelligence methods, cloud and scalable computing, visualisation and evidence-based decision-making. Academic delivery is undertaken in close collaboration with Murdoch University's Perth campus to support curriculum consistency, assessment standards, moderation, quality assurance and student outcomes across locations. The discipline maintains strong connections with industry and professional networks to support curriculum currency, employability and opportunities for applied learning, research and external engagement.

Reporting Relationships

This role reports to the Discipline Lead IT, Murdoch University Dubai and works closely with Perth-based academic leaders, discipline leads, unit coordinators and academic quality colleagues to support high-

quality, consistent delivery of AI and Data Science offerings across locations. The role also collaborates with student services, recruitment and marketing teams, industry partners and relevant external stakeholders to support student success, discipline growth, professional engagement and applied learning opportunities.



Role-Specific Focus

This role includes a particular focus on:

- Contributing to academic delivery, coordination and/or leadership for AI and Data Science programs and units delivered at Murdoch University Dubai, with a focus on curriculum alignment, assessment quality, moderation and student learning outcomes, commensurate with the academic appointment level.
- Delivering and/or contributing to contemporary teaching across artificial intelligence, machine learning, data science, data analytics, programming, statistics, data engineering, data visualisation, cloud computing and related discipline specialties, appropriate to the academic appointment level.
- Designing and supporting authentic, applied learning experiences that enable students to work with contemporary datasets, analytical methods, AI tools and computational platforms while developing sound problem-solving, communication, ethical reasoning and professional judgement, commensurate with the academic appointment level.
- Building and maintaining productive industry, research and professional relationships across technology, analytics, consulting, government and related sectors to support employability, applied projects, work-integrated learning and external engagement, appropriate to the academic appointment level.
- Contributing to curriculum innovation, quality enhancement and portfolio growth so that AI and Data Science offerings remain aligned with emerging technologies, responsible AI practice, industry developments, regulatory expectations and future workforce requirements, with contribution expectations determined by appointment level.

Selection Criteria

Specific Knowledge and Competencies

- Demonstrated expertise in Artificial Intelligence, Data Science, Machine Learning, Computer Science, Statistics, Data Analytics or a closely related discipline, including contemporary theory, methods, professional practice and emerging developments, commensurate with the academic appointment level.
- Specialist capability in one or more areas such as machine learning, deep learning, natural language processing, computer vision, generative AI, predictive analytics, data engineering, statistical modelling, data visualisation, cloud computing, MLOps or responsible AI, appropriate to the academic appointment level.
- Experience using or teaching contemporary programming languages, analytical tools and computational platforms relevant to AI and Data Science, such as Python, R, SQL, machine learning frameworks, cloud environments, data visualisation tools and collaborative development workflows.
- Demonstrated ability to contribute to inclusive and academically rigorous teaching, unit coordination, program development and academic quality assurance processes within a higher education environment, appropriate to the academic appointment level.

- Ability to develop and maintain effective relationships with industry partners, external stakeholders, research collaborators and professional networks to enhance teaching, scholarship, research, student employability and discipline growth, commensurate with the academic appointment level.
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Specific Qualifications

- Qualifications, professional standing and academic experience appropriate to the academic appointment level in Artificial Intelligence, Data Science, Machine Learning, Computer Science, Statistics, Data Analytics, Software Engineering or a closely related discipline.
- Professional, industry, research or applied experience relevant to artificial intelligence, machine learning, data science, analytics, data engineering or related technology sectors is desirable and should be appropriate to the academic appointment level.
- A doctoral qualification, or progress toward completion, may be required or desirable depending on the academic appointment level and discipline requirements.
- Evidence of active scholarship, research, professional practice or industry engagement within AI, Data Science or a related field, commensurate with the academic appointment level.

Specific Work Requirements

- Willingness and ability to engage with external industry partners, research collaborators, professional bodies and community stakeholders within the UAE and internationally to support curriculum relevance, program development, applied collaboration and student opportunities.
- Capability to contribute to student recruitment, outreach, marketing events, industry showcases, open days and other activities supporting growth of the AI and Data Science discipline.
- Ability to deliver teaching across multiple delivery modes, including face-to-face, blended and technology-enabled learning environments, with practical laboratory, coding and project-based activities where required.
- Willingness and ability to travel domestically and internationally as required to support University activities, collaboration and professional engagement.
- UAE law/requirements will apply where relevant.