



Bachelor of Data Science & Artificial Intelligence Course Coordinator/Lecturer

King's Own Institute (KOI) is a leading independent institute of higher education located in central Sydney and Newcastle, Australia. KOI offers high quality accredited diploma, undergraduate and postgraduate courses in Accounting, Business, Management, IT and TESOL.

About the Role

The Bachelor of Data Science and Artificial Intelligence Course Coordinator/Lecturer is responsible for coordinating and facilitating a quality data science and AI program that meets rigorous academic standards while incorporating cutting-edge technology and industry-relevant applications.

This position combines deep expertise in data science, machine learning, and artificial intelligence with educational delivery capabilities, ensuring KOI's data science & artificial intelligence program maintains competitive advantage in the rapidly evolving technology education marketplace.

Key Responsibilities

Teaching & Subject Matter Expertise

- Deliver high-quality instruction across Data Science and AI subjects including:
 - Statistics, machine learning, deep learning, and data engineering
 - AI ethics, algorithm development, and system implementation
 - Data analysis, visualization, and predictive modelling
- Conduct virtual coding sessions, algorithm walkthroughs, and interactive technical workshops
- Facilitate classes using contemporary learning methodologies for technical education
- Mentor students through technical problem-solving, career guidance, and industry preparation
- Guide students through complex technical projects including machine learning model development and AI system implementation

Course Coordination & Administration

- Coordinate course schedules, technical assessments, and academic calendar requirements
- Manage enrolments, communications, and academic progress monitoring with attention to technical prerequisites
- Liaise with academic staff, industry practitioners, and technology professionals
- Coordinate curriculum updates reflecting rapidly evolving field developments
- Oversee technical assessment processes, coding standards, and academic integrity procedures
- Manage relationships with industry partners, technology companies, and guest speakers
- Ensure course content remains current with industry trends, emerging technologies, and professional practices

Student Support & Career Development

- Provide academic support including technical troubleshooting and programming guidance
- Develop engagement strategies for technical learners, career changers, and international students
- Monitor student progress in challenging technical concepts and implement early intervention strategies
- Facilitate peer learning networks and professional development opportunities in data science and AI
- Conduct feedback sessions and implement continuous improvement initiatives
- Support students with career transition guidance and technical portfolio development
- Connect students with internship opportunities, industry projects, and mentorship programs

About You

Essential Qualifications & Experience

- Doctoral-level qualification (PhD) or equivalent standing in Data Science, Computer Science, AI, or related field
- Demonstrated expertise in Data Science and Artificial Intelligence
- Formal teaching qualification or adult education experience in technical subjects (Graduate Certificate in Higher Education preferred)
- Minimum 3 years in similar academic roles
- Minimum 8-10 years combined industry and educational experience
- Higher education sector experience in Australia, particularly data science or AI program administration

Essential Technical Skills

- Expert knowledge across core data science disciplines: Statistics, Machine Learning, Deep Learning, Data Engineering, AI Ethics
- Advanced understanding of contemporary data science and AI practices including:
 - Programming languages (Python, R, SQL, JavaScript)
 - Machine learning frameworks (TensorFlow, PyTorch, Scikit-learn)
 - Data visualization tools (Tableau, Power BI, D3.js)
 - Cloud platforms (AWS, Google Cloud, Azure)
- Experience with Learning Management Systems and technical education platforms
- Demonstrated ability in virtual facilitation and technical instruction delivery
- Project management capabilities for technology education projects

**Essential Personal Skills**

- Excellent communication skills for engaging diverse technical audiences
- Ability to translate complex technical concepts for undergraduate learners
- Strong analytical and problem-solving capabilities
- Adaptability to rapidly evolving technology landscape
- Cultural competency for diverse student populations
- Results orientation with focus on measurable learning outcomes

Desirable Qualifications

- Professional certifications (ACS, AWS, Google Cloud, Microsoft Azure, ML/AI platforms)
- Educational technology qualifications
- Experience with TechOne or similar Student Information Systems
- Industry consulting or technical leadership experience
- Active participation in open-source projects or technical communities

What We Offer

- Competitive salary based on experience and qualifications
- Opportunity to contribute to a growing higher education institution in cutting-edge technology education
- Collaborative and supportive executive team
- Professional development opportunities and conference attendance support
- Access to latest technology platforms and development tools

Applications close: 21 September, 2025

Expected start: October 2025

Essential Requirements:

- Must reside in Sydney NSW
- Must hold PR or Citizen work rights

Only shortlisted candidates will be contacted

No recruiters or agencies

How to Apply

Please submit your resume and a cover letter addressing the selection criteria to the Human Resource Department at human.resources@koi.edu.au

King's Own Institute is committed to fostering diversity and inclusion in the workplace. We encourage applications from candidates of all backgrounds.