

POSITION DESCRIPTION

Senior Coordinator, Industry Partnering Transformation



POSITION DETAILS

Position Title	Senior Coordinator, Digital Manufacturing Systems
Classification	HEW 8
Position Number	TBC
School/Office	Innovation
Division	Research and Innovation

POSITION PURPOSE

The Senior Coordinator, Digital Manufacturing Systems plays a critical technical and coordination role supporting Western Sydney University's Factory of the Future (FoF) and its industry partners. The position is responsible for coordinating and delivering digital manufacturing projects, maintaining and optimising digital manufacturing systems and equipment, and providing authoritative technical advice to senior staff. The role contributes to the University's strategic objectives by enabling industry-focused innovation, applied research, workforce development, and the uptake of advanced manufacturing technologies across the Western Sydney region.

KEY ACCOUNTABILITIES

1. **Coordinate digital manufacturing projects** that support industry collaboration, applied research, training delivery, and technology demonstration within the Factory of the Future.
2. **Operate, maintain and continuously improve digital manufacturing systems and equipment**, including digital twins, simulation platforms, additive manufacturing systems, automation, sensing, and data-driven manufacturing tools.
3. **Provide high-level technical advice and recommendations** to the Manager, Factory of the Future and other senior stakeholders on digital manufacturing technologies, system capability, investment priorities, and technology roadmaps.
4. **Support industry engagement activities** by contributing technical expertise to project scoping, trials, demonstrations, and solution development for external partners.
5. **Ensure safe, compliant and reliable operation of digital manufacturing environments**, including development of operating procedures, risk assessments, and safety documentation.

6. **Contribute to workforce development and training initiatives**, including hands-on delivery of workshops, short courses, and micro-credentials aligned to Industry 4.0 and 5.0 capabilities.
7. **Maintain effective vendor and supplier relationships** to support system maintenance, upgrades, procurement, and lifecycle management of digital manufacturing assets.
8. **Monitor emerging digital manufacturing technologies and practices**, providing insight and recommendations that enhance FoF capability and industry relevance.

QUALIFICATIONS, EXPERIENCE AND SKILLS

Essential

1. Tertiary qualification in Engineering, Mechatronics, Manufacturing, Computer Science, Industrial Technology, or a closely related discipline, or equivalent combination of relevant experience and training.
2. Demonstrated experience supporting digital manufacturing, smart factory, or advanced manufacturing systems in an industrial, research, or applied innovation environment.
3. Proven capability in the operation and maintenance of digital manufacturing technologies such as simulation tools, digital twins, automation systems, additive manufacturing, industrial software platforms, or data-driven production systems.
4. Strong analytical and problem-solving skills with the ability to translate technical concepts into practical solutions for industry and non-technical stakeholders.
5. Well-developed written and verbal communication skills, including the ability to provide clear technical advice to senior staff and external partners.
6. Demonstrated ability to manage multiple projects and priorities in a collaborative, fast-evolving environment.

Desirable

1. Experience working with Industry 4.0 and 5.0 frameworks, including integration of digital, data and automation technologies.
2. Experience supporting training delivery, hands-on learning environments, or industry-focused capability development programs.
3. Familiarity with university, research, or innovation precinct environments.

KEY RELATIONSHIPS

This position reports to: Manager, Factory of the Future

This position may supervise: Technical or project staff, students, or contractors as required

Key internal relationships

- Manager, Factory of the Future
- Factory of the Future Team
- Launch Pad team
- Academic and research staff across engineering, manufacturing and digital disciplines
- Technical and professional staff supporting FoF operations

Key external relationships

- Industry partners and SMEs engaging with the Factory of the Future
- Technology vendors and equipment suppliers
- External consultants and service providers

CHALLENGES

- Supporting a diverse portfolio of digital manufacturing projects with varying technical complexity and stakeholder expectations.
- Balancing operational reliability of complex digital manufacturing systems with continuous innovation and technology upgrades.
- Translating rapidly evolving digital manufacturing technologies into practical, industry-ready

- applications.
- Ensuring safe and compliant operation of advanced technologies within a collaborative, multi-user environment.

UNIVERSITY EXPECTATIONS

The University expects that all employees are aware of, and comply with legislation and Western's policies and procedures relevant to the position, including but not limited to:

- Code of Conduct
- Work Health and Safety and Wellbeing Management System
- Enterprise Agreement or Award
- Anti-discrimination principles, Equal Employment Opportunity and staff and student equity.

Approved by: Office of People

Date: 11/08/2026