



Position Title:	Lecturer - Bioprinting
Position Classification:	Level B
Position Number:	
Faculty/Office:	Faculty of Engineering and Mathematical Sciences
School:	School of Engineering
Supervisor Title:	Head of Department
Supervisor Position Number:	

Your work area

The Faculty of Engineering and Mathematical Sciences encompasses three Schools – the School of Physics, Mathematics and Computing, the School of Engineering, and the Oceans Graduate School. Past graduates include Rhodes Scholars, Fulbright Scholars, Eureka Prize winners, Scientists of The Year, CEOs, and award-winning inventors. The Faculty prides itself on its track-record for producing graduates who not only perform well in their chosen profession, but are equipped with the skills and social capital they need to be the very best.

The Faculty has an international reputation for excellence in research and its research teams benefit from global partnerships with industry, attracting research income of more than \$27 million a year – well above the national average. With cross-disciplinary research groups, the Faculty offers a creative and innovative research environment and is poised to respond to a rapidly changing world and develop technologies that fulfil the demands of the 21st century.

Equally important is educating the next generation of graduates for current and emerging industries. The Faculty seeks to promote teaching excellence and to embrace the latest forms of effective educational delivery, and produce graduates with skill sets that promote flexibility and recognise the need for life-long learning.

The School of Engineering is renowned for its award-winning researchers, teachers and facilities. It is a multidisciplinary school offering education and research in a number of engineering disciplines, including biomedical, civil, environmental, mining, chemical, mechanical, electrical and electronic and engineering. UWA ranks in the world's top universities, as measured by key independent rankings, including QS World University Rankings for Mineral & Mining Engineering (11th) and Civil Engineering (48th); and Shanghai Rankings for Mineral & Mining Engineering (7th) and Environmental Science and Engineering (16th).

The School of Engineering has an established and dedicated team of teaching and research staff providing broad-based undergraduate programmes with solid foundations across engineering disciplines. In research, Critical Mass Research Groups comprising transdisciplinary researchers offer integrated solutions a range of challenges, including those in biomedical engineering. These programmes are complemented by an integrated approach and solutions to a range of challenges of mining development and production, offshore engineering, agriculture, health, transport, energy, water supply and community development

The Department of Mechanical Engineering specialises in courses involving the production and use of heat and power to design, invent and operate all types of machinery. By studying Mechanical Engineering at UWA, students gain in-depth knowledge of theories and methods surrounding thermodynamics, measurement and noise, machine components and more.

Reporting Structure

Reports to: Head of Department

Your role

The successful applicant will collaborate with researchers across different schools within the Faculty of Engineering and Mathematical Sciences, the Faculty of Science and the Faculty of Health and Medical Sciences to build a strong, internationally recognised research programme that complements existing research groups. In addition, there is an expectation that you will become involved in the Biomedical Engineering@Perkins initiative which is placing biomedical engineers alongside clinicians in order facilitate the development of medical breakthroughs.

As a passionate advocate for teaching excellence, the successful candidate will provide significant contribution to the new Masters of Biomedical Engineering programme, through the planning, development and delivery of units.

Key responsibilities

- Undertake independent and collaborative research within the general area of Bioprinting; generate research output of high impact and international recognition.
- With advice from senior academics develop and maintain a strong, internationally recognized research programme synergistic with the existing research groups; attract research funding from industry, and local and federal governments.
- Contribute to the development and delivery of world-class innovative teaching in the degree programmes of the Department and the Faculty at both undergraduate and postgraduate levels, with particular focus on Biomedical Engineering.
- Supervise research students at both the undergraduate and postgraduate levels and post-doctoral research fellows. Attract and recruit quality postgraduate students and postdoctoral research fellows.
- Duly provide service to the Department the Faculty and the University in its operation; develop and exercise leadership in its affairs; provide services to the government, the scholarly community and the broader public as required.
- Other duties as required.

Your specific work capabilities (selection criteria)

- A PhD in Engineering or a discipline related to bioprinting
- Demonstrated ability to produce high quality research outcomes; and willingness to undertake integrated research both within and across groups in academic and/or industry settings, and an ability to build partnerships within the University and externally with a range of stakeholders. (Relative to opportunity).
- A strong research profile in one or more of tissue engineering, regenerative medicine, biomaterials, or advanced bio-fabrication as demonstrated through publications in high quality academic journals. (Relative to opportunity)
- Demonstrated ability and willingness to develop, co-ordinate and teach engineering units at undergraduate and postgraduate levels. Evidence of successful teaching is essential. (Relative to opportunity).
- Willingness to engage with industry and to increase School and University business development capacity.
- Demonstrated ability to attract and recruit higher degree research students, domestic as well as international.
- Demonstrated success in a position requiring leadership and management at a senior level in a research and/or consultancy organization.
- Highly developed interpersonal, verbal and written communication skills with the ability to work effectively as part of a team

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au>



Position Title:	Senior Lecturer - Bioprinting
Position Classification:	Level C
Position Number:	
Faculty/Office:	Faculty of Engineering and Mathematical Sciences
School:	School of Engineering
Supervisor Title:	Head of Department
Supervisor Position Number:	

Your work area

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- Develop and maintain a strong, internationally recognized research programme synergistic with the existing research groups; attract research funding from industry, and local and federal governments.
- Contribute to the development and delivery of world-class innovative teaching in the degree programmes of the Department and the Faculty at both undergraduate and postgraduate levels, with particular focus on Biomedical Engineering.
- Supervise research students at both the undergraduate and postgraduate levels and post-doctoral research fellows. Attract and recruit quality postgraduate students and postdoctoral research fellows.
- Duly provide service to the Department the Faculty and the University in its operation; develop and exercise leadership in its affairs; provide services to the government, the scholarly community and the broader public as required.
- Mentor junior academics and HDR students to manage projects, develop their career goals and develop their teaching and research.
- Other duties as required.

Your specific work capabilities (selection criteria)

- A PhD in Engineering or a discipline related to bioprinting
- Demonstrated outstanding ability to produce independent, high quality research outcomes at least at the national level; and willingness to undertake integrated research both within and across groups in academic and/or industry settings, and an ability to build partnerships within the University and externally with a range of stakeholders.
- A strong research profile in one or more of tissue engineering, regenerative medicine, biomaterials, or advanced bio-fabrication, demonstrated through publications in high quality academic journals.
- Demonstrated ability and willingness to independently develop, co-ordinate and teach engineering units at undergraduate and postgraduate levels. Evidence of successful teaching is essential.
- Willingness to engage with industry and to increase School and University business development capacity.
- Demonstrated ability to attract and recruit higher degree research students, domestic as well as international.
- Willingness to seek participation in mentor programs and activities related to teaching, research and career development.
- Demonstrated success in a leadership position at a senior level in a research and/or consultancy organization is desirable.
- Highly developed interpersonal, verbal and written communication skills with the ability to work effectively as part of a team

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