

Professor, Biomedical Engineering - Wollongong, NSW, Australia

Job Description

- Permanent/Continuing, full-time appointment
- Level D: \$179,439 - \$192,572 + 17% superannuation
- Level E: \$223,260 + 17% superannuation
- Visa sponsorship may be available for this position

Join UOW as the Professor of Biomedical Engineering

Shape a discipline. Lead a team. Accelerate impact.

Ready to build and lead a cutting-edge Biomedical Engineering program at a globally ranked university—while living by some of Australia’s most beautiful beaches?

The University of Wollongong (UOW) invites applications from exceptional, rising academic leaders for a new Professorship in Biomedical Engineering within our School of Engineering—one of Australia’s top engineering faculties (THE World Rankings by Subject 2025: 8th in Australia; top 125-150th globally).

Depending on experience and expertise the appointment will be as Full Professor (Level E) or Associate Professor (Level D).

Why UOW and Wollongong?

- Live and work in a vibrant coastal city with a relaxed lifestyle, outstanding schools, a safe community, and quick access to Sydney.
- Join a School renowned for research and teaching excellence across sustainable manufacturing, green power, robotics, and medical devices—offering rich opportunities for cross-disciplinary collaboration.
- Leverage our strong industry partnerships and deep links with leading national and international universities and institutes to accelerate translation and secure competitive funding.

About The Opportunity

As Professor and Discipline Lead for Biomedical Engineering, you will:

- Define and drive the strategic direction of Biomedical Engineering at UOW.
- Build an ambitious, collaborative research ecosystem spanning fundamental discovery to clinical and industry translation.
- Mentor emerging academics and HDR candidates, and shape innovative curriculum across undergraduate and postgraduate programs.
- Forge partnerships with hospitals, medtech companies, and government to deliver real healthcare impact.

Focus Areas

We welcome applications from scholars whose research aligns with one or more of the following areas:

- Bionics and neuroengineering
- Brain–computer/machine interfaces
- Rehabilitation engineering
- Biosensing and instrumentation
- Tissue/cell biomechanics and mechanotransduction
- Artificial organs and implants
- Musculoskeletal and physiological modelling
- Electroceuticals
- Prosthetics and orthotics
- Orthopaedic engineering (especially orthopaedic biomechanics)

What We're Looking For

- A strong, upward research trajectory with a record of high-impact publications, competitive grants, and translation or industry engagement.
- Experience leading teams and shaping academic programs.
- A collaborative mindset and a passion for mentoring the next generation of biomedical engineers.
- Commitment to excellence in both research and teaching.

What You'll Find Here

- A collegial, high-performance culture with outstanding facilities and technical support.
- Deep connections to clinicians and industry to accelerate device development and deployment.
- A platform to grow a flagship discipline and leave a lasting legacy.

UOW is very committed to supporting diversity and gender balance. The Engineering & Information Sciences (EIS) Faculty at the University of Wollongong proudly offers:

- Leadership mentoring for emerging women researchers and providing opportunities for them to be a part of UOW's Leadership Program Senior Academic Women (LPSAW)
- A 'Return to work after maternity leave' fellowship program, which provides funding to academic women returning from maternity leave to kick-start their research career
- Heads of School who support staff that have a career interruption
- Commitment to flexible work practices including consideration of meeting times to allow for greater staff attendance; online and face-to-face meeting options meeting recordings for staff that cannot attend; scheduling meetings with sufficient advance notice for arrangements around caregiving

- An Associate Dean EDI (Equity, Diversity & Inclusion) and an EDI Champion in every School, ensuring women and other underrepresented groups are welcomed & celebrated and form a key part of our fabric & culture
- University on-site childcare

Contact

To have a confidential discussion about this opportunity please contact Senior Professor Geoff Spinks at gspinks@uow.edu.au or +61 2 4221 3010 or Senior Professor Gursel Alici (Executive Dean) at gursel@uow.edu.au or +61 2 4221 4145.

How to Apply

Candidates must contact Grant Jacobs at gjacobs@uow.edu.au or +61 2 4239 2104 to receive a candidate information pack prior to applying.

After receiving the candidate information pack, please submit a concise expression of interest (maximum 3 pages) describing your suitability for this position including reference to the selection criteria located in the position description and attach a copy of your current CV to your online application.

Closing Date: Sunday 1 February 2026, 11:59pm

At UOW, we value and acknowledge the importance of our people's diverse experiences, talents and cultures that they bring to work with them each day. Embracing diversity and creating inclusion is a key component of attracting and retaining talent in our workforce. The creation of a diverse and inclusive workforce is central to our ability to unlock potential, enhance our success and achieving our vision of being in the Top 1% of universities globally."

About Us

The University of Wollongong was born with a mission to transform our region: to educate and empower the people of the Illawarra. Our commitment to a better future has shaped our direction and impact since our inception.

Over the years, we have grown to be a global diverse and inclusive civic university, working to solve global challenges and promoting harmony and social cohesion. We are proud to be a globally recognised and respected university, opening doors for our students, staff and partners.