MASTERS IN MATERIAL SCIENCE AND ENGINEERING

MASTER'S DEGREE THROUGH CREDIT TRANSFER PROGRAM

ABOUT UON

The University of Newcastle is a leader in university education, with a reputation for high quality teaching and exciting contemporary academic programs. The commitment to relevant teaching and problem-based learning in the areas of medicine, engineering, architecture, nursing, social work and law are some of the highlights

ABOUT PSGIAS

PSG Institute of Advanced Studies was set up by PSG &Sons charities in 2006 and offers International Education through the credit transfer system. Both undergraduate and postgraduate courses are offered in engineering, business management and international business.

PROGRAM DESCRIPTION

The University of Newcastle's Master of Materials Science and Engineering program provides students the opportunity to broaden and/or deepen their knowledge in material science and engineering.Students learn technical competency in one of several specialized areas including materials synthesis, materials characterization techniques, material applications in specific environments as well as applications of materials science in energy, electronics, environment, life science and biology. Students are exposed to capstone level courses in advanced materials and engineering and complete a master's level research thesis. This program produces graduates with the knowledge, technical skills and professional attributes to provide innovative materials science solutions to society's needs both now and in the future.

PROGRAM HIGHLIGHTS

1. Excellent international state-of-art infrastructure and eminent faculty both at the PSG Institute of Advanced Studies and at the Global Innovation Centre for Advanced Nanomaterials (GICAN), University of Newcastle, Australia
2. Cost effective, since the expenses at PSGIAS for the 1st year is comparatively less
3. Scholarship opportunities for meritorious students
4. Opportunity to continue for doctorial research

LEARNING OUTCOMES

On successful completion of the program students will:

- Adaptively draw upon and manage resources, methods, expert practices and technologies required to take a material science project from conception to completion.
- Have demonstrable capacity to apply contemporary materials science techniques, tools and resources towards solving a broad range of complex problems with the highest ethical standards, both responsibly and honestly.
- Communicate complex technical and scientific information effectively and professionally in written and oral formats to various audiences.
- Demonstrate the epistemic fluency required to work concurrently across different task environments, to collaborate effectively in multi-disciplinary teams.
- Use digital technologies, data and software infrastructures to harness collective knowledge within local and global professional networks to generate and critically evaluate new applications for material science.

STUDENT ACCOMMODATION

Both on campus and off campus accommodation is available, and UoN can assist to find proper accommodation.

ELIGIBILITY

- 4 year Bachelor Degree in any branch of engineering except computer science or information technology, or 5 years post graduate degree in science with an overall score of 60%.
- PG students in engineering (except computer science or information technology) who have completed the 1st year of study with more than 60% marks are eligible to join the 2nd year at UoN.
- Students who have completed a three year Bachelor of Science degree from the top 200 engineering colleges (listed on the National Institution Ranking Framework of India) and achieve an overall score of 65% or above will be eligible for direct entry into a **two year Masters of Materials Science Engineering** program at the University of Newcastle. Qualifications that fall outside of these colleges will be assessed for entry on a case by case basis.
- IELTS - Overall 6.5 and no less than 6 in any individual modules (at the time of applying for VISA).

CAMPUS SERVICES

Campuses are a rich, bustling hive of activity where there is always something going on. University life means so much more than coming just for classes, and there are a range of other facilities and services right at your fingertips while you are here.

- 150 + clubs and societies
- World class sport facilities
- Restaurants and coffee shops
- Bars and Entertainments
- Ovals and Parks
- Campus shuttle services
- Medical services
- Bike hubs
- Help for parents