

**TUS****Technological University of the Shannon:****Midlands Midwest**

Ollscoil Teicneolaíochta na Sionainne:

Lár Tíre Iarthar Láir

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## ATHLONE CAMPUS ALERT LIST

**Pages 38 and 39**

<b>New in 2022</b>		
<b>AL806</b>	<b>Computer Engineering for Autonomous Systems</b> Computer engineers play a vital role in the research, design, development and installation of hardware and software. Amongst the areas in which computer engineers are employed are the mobile phone industry, gaming, medical devices, cloud technology, smart transport, general technology support services, and energy management. This course is accredited by Engineers Ireland.	
<b>AL818</b>	<b>Mechanical Engineering</b> This new course is a result of comprehensive industry engagement defining future needs regionally and nationally. The modern mechanical engineer is responsible for the design, manufacture and operation of the mechanical systems and processes that are all around us – from aeroplane landing gear to robotic assistants for invasive surgery, and from electric vehicles to drones. This course will equip learners with the theoretical knowledge and hands-on practical experience demanded by leading global employers.	
<b>AL819</b>	<b>Mechanical Engineering with Energy</b> This Mechanical Engineering course is designed to blend the core theoretical and practical skills for Mechanical Engineering with the knowledge and expertise for sustainable energy engineering. A four-month work placement is embedded in Year 3, from January to April.	
<b>AL821</b>	<b>Automation and Robotics</b> The student is required to complete a four-month work placement in Year 3, from January to April. Graduates will find employment in the manufacturing sector across a broad range of industries – medical device, electronics, agricultural and pharmaceutical sectors. Typical jobs include automation engineers, process development, fault-finding, as well as working in multi-disciplinary teams in a modern manufacturing environment.	
<b>AL847</b>	<b>Law</b> Graduates of this honours degree commonly choose to apply for postgraduate study at Blackhall Place in order to qualify as a solicitor or at the Kings Inn to qualify as a barrister. Graduates are exempt from the Law Society's Preliminary Examination.	
<b>AL735</b>	<b>Pharmacology</b> Pharmacology has the potential to treat or prevent disease and to discover and distribute new therapies. This exciting, new three-year course aims to produce	DG + HD

	graduate pharmacologists with an understanding of the impact of drugs on the human body as well as the drug discovery and development process. The pharmaceutical industry in Ireland is thriving and is dependent on skilled graduates. This course is designed to meet those requirements.	
<b>AL739</b>	<b>Microbiology</b> A key element of this innovative, practical-based degree is the opportunity to engage in an extensive industrial placement in a microbiological industry, either in a national or international setting. This course is design to specifically address the skill shortage needs of the biopharmaceutical, agricultural, food and beverage, healthcare, medical devices and environmental industries, by providing competent entry-level microbiological graduates.	DG + HD
<b>AL742</b>	<b>Bioveterinary Science</b> Bioveterinary science is sub-divided into many specialisms such as animal science, biology, ecology, environmental science, genetics and bio-analysis. Graduates are well placed to go into employment in veterinary diagnostics, pharmaceutical research, veterinary, medical, and nutritional sales, hospital and forensic laboratory work.	DG + HD
<b><i>Miscellaneous Changes – Change in programme title</i></b>		
<b>AL812</b>	Formerly Digital Construction – from 2022 title change to <b>Construction Management</b>	

**Athlone Campus Autumn Open Day: Saturday 13 November 11.00 a.m. – 2.00 p.m.**