

**Naughton REU FSTEM Application 2023: OFFER OF TRAINING FORM SUMMER 2023**

<b>Proposer details:</b>	
Title:	Assistant Professor
Name:	Eoin Syron
Email:	<a href="mailto:eoin.syron@ucd.ie">eoin.syron@ucd.ie</a>
Website:	<a href="https://www.ucd.ie/chembioeng/">https://www.ucd.ie/chembioeng/</a>
If your grade does not allow you to supervise students, please supply the name of support PI:	N/A

<b>Student required:</b>	
Specify any previous training / experience the student should have:	
Student should have some laboratory experience	
Study level (3rd year, 4th year)	Either
Any other requirements:	

<b>Traineeship offered:</b>	
Brief job description: (please include (1) type of work, (2) what student should hope to achieve at end of the process, (3) who will supervise student on daily basis (post-doc etc.))	
<b>Energy and the Environment:</b> The project is focusing on the circular economy and the production of renewable energy from waste material. Using a novel Algal biofilm reactor, the project will investigate the factors affecting the growth rate of the algal biofilm, comparing it with suspended growth systems. Using synthetic wastewater two parallel systems will be operated under identical conditions. The rate of pollutant degradation will be compared along with the recovery of nutrients and potential for energy recovery, from both systems.	
Link to research group or supervisor webpage:	<a href="https://people.ucd.ie/eoin.syron">https://people.ucd.ie/eoin.syron</a>
Location of lab:	UCD Belfield, Dublin

<b>Working hours:</b>	
Number of Weeks offered:	10-weeks
Hours per week:	TBC
Earliest Start Date possible:	Tuesday 30 May
Latest End Date possible:	Friday, 04 August