



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Trinity Micro-credentials

Motion Picture Engineering



Riátas na hÉireann
Government of Ireland



Micro-credentials are a new and exciting academic offering from Trinity College. They are short, accredited learning experiences that facilitate flexible and innovative professional development and lifelong learning.

Is it for me?

This micro-credential suits engineers in a start up in the video streaming space or designing image enhancement technology as well as those embarking on a graduate degree in Video Engineering. If you have just joined a post-production house or start up this micro-credential is excellent for on-boarding.

What will I do?

You will use the cinema industry standard NUKE compositing platform to develop your own application for a cinema effect. You will write a short scientific paper about your effect including reporting on visual fidelity and computational complexity. You will also attend guest lectures from internationally acclaimed industry experts.

How is it delivered?

This micro-credential is built around 5 contact hours per week. There is a fixed 3 hour block for practical work and 1 hour blocks for lecture material every week.

Key Dates: Course starts: **22nd January 2024**

Applications close date: **17th December 2023**

How much does it cost? €2040

Credit Value

The credit value of this micro-credential is 10 ECTS. The European Credit Transfer System is a commonly used credit system, recognised by Trinity and by awarding bodies across the EU and in some other countries.

What will I learn?

You will learn about engineering design in both high end postproduction and best in class streaming media workflows.

The first part of the micro-credential gives you both the mathematical underpinnings of algorithms for rotoscoping, matting and motion estimation and the practice of developing your own tool in a high end platform.

In the second part you will learn about the fundamentals of video compression technology and how that is applied to content aware transcoding.

Assessment

Your learning in this micro-credential will be assessed using authentic assessment that is directly related to your industry.

How do I Apply?

[Apply on our website.](#)

For further information, please email: micro-credentials@tcd.ie or book a call with us at <https://bit.ly/32y79ls>