



VIP

Virtual
Internationalization
Program

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UNIVERSITY
of NICOSIA | Global
Semesters

BE A VIP THIS SPRING!

Science and Engineering Virtual Internships

PROGRAM TERM
Spring 2022

PROGRAM DATES
Jan 31 – Jun 2, 2022

APPLICATION DEADLINE
Jan 17, 2022

PROGRAM COST
\$1,170

INTERNSHIPS FOR CREDIT WITH CULTURAL ENRICHMENT

Build Your Resume/CV During the Spring Semester!

Research Internship Projects

☑ **Evaluation of pyPENELOPE for the Simulation of Coupled Electron-Photon Transport in X-Ray Tubes**

- Perform computer simulations and compare results with published data on X-Ray Tube energy spectrums.

Requirements: Requirements: Background in Physics and/or Engineering will be needed. Knowledge of Particle Physics or Nuclear Physics will be an advantage.

☑ **(A) Modelling Fluid Driven Fractures with Finite Elements**

- Assistance in Modelling. Help will be provided by the supervising faculty member.

Requirements: Engineering, Physics, Mathematics – BSc 3rd Year or Higher, MSc Any Year, PhD. The background suffices and no prerequisite is required.

Application Requirements

1

Select
“VIP Internship Program”
In Your Application

2

Include Your
Statement of Interest
In Your Online Application Form

3

E-mail
a Copy of Your Resume to:
admissions@globalsemesters.com

☑ **(B) Cap Integrity Analysis after CO₂ Sequestration with CFD**

- Assistance in Modelling. Help will be provided by the supervising faculty member.

Requirements: Engineering, Physics, Mathematics – BSc 3rd Year or Higher, MSc Any Year, PhD. The background suffices and no prerequisite is required.

☑ **(C) Wellbore Erosion Modelling with Finite Elements**

- Assistance in Modelling. Help will be provided by the supervising faculty member.

Requirements: Engineering, Physics, Mathematics – BSc 3rd Year or Higher, MSc Any Year, PhD. The background suffices and no prerequisite is required.