Pre-masters in Computing and IT courses

EPFS PMP - 32 Weeks

Introduction

This Pre-Master's programme Computing and IT studies is designed to prepare students for a master's degree in computer science and information technology. The programme is designed to bridge the gaps in academic preparation, improve English language skills, and prepare students for advanced studies in areas like data science, cybersecurity, software engineering and more.

The programme includes modules to enhance English language proficiency, particularly for international students, and provide guidance for gaining skills in using English for academic purpose. The programme also incorporates modules focused on research methods, critical thinking, and analytical skills.

A typical day for the students will be 3 hours of study online/classroom which includes foundational training computer science and allied fields with training in language skills guided by expert teachers. This will be coupled with academic skills training, where they learn and attempt to implement learned skills.

Students will also be assigned on a research project where they will learn higher order skills and for final assessment will submit a report on their research and conclusions accompanied by a presentation or an oral discussion with the examiners.

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Course name	EPFS PMP - 32 Weeks
Delivery location	**EP College Locations** (E.G. UK, Dubai, Toronto, Ireland and Berlin), university partner premises
Delivery format	**Classroom** or **Blended online**
Course content	**Course consists of six modules:** **Semester 1:** **Semester 2:** • Introduction to computing • Emerging technologies • English for academic purposes • Advanced EAP •Research methods • Research project
Admission requirements	**IELTS 5.0** and/or **EP assessment** Completion of an undergraduate degree or equivalent from an accredited university. Destination university may have specific academic requirements.
Target exit level	Minimum 6.0 IELTS equivalent and satisfactory assessment grades. *Note: Individual partner universities may have specific grade criteria to satisfy entry.*
Duration (for completion of programme)	16 weeks– approx. 40 hours per week as given below:
Progression	**Upon successfully completing the course, students will receive:** Academic Transcript that details final grades. EP certificate verifying their achievement of an academic English proficiency equivalent to IELTS 6.0 or above. *Note: Students may need to take one of the preferred official English exams such as TOEFL, Pearson or IELTS as prescribed by university admission policy.*

Course learning outcomes

Upon successful completion of this course, students will be able to:

Knowledge and understanding

- Apply foundational computing principles and technical terminology to analyse and solve structured computational problems

- Demonstrate knowledge of core computing domains including logic, programming, networking, and cybersecurity

- Describe and justify key technical concepts such as data structures, algorithms, control structures, and networking protocols within real-world computing scenarios

- Actively engage with academic texts using proven reading techniques

- Adopt and practice contemporary academic writing styles

- Practice communication skills and participate actively in seminars, discussions, and presentations with confidence

Academic skills

- Produce well-structured, evidence-based academic research reports that follow appropriate academic conventions.

- Respond constructively to feedback, identifying areas for improvement and integrating changes into future work.

- Plan and deliver structured academic presentations with clarity, logical flow, and effective use of visual aids.

Critical thinking and research

- Distinguish between fact, opinion, and bias, and critically assess the credibility and relevance of sources.

- Apply accurate referencing and citation techniques consistently across a range of academic formats.

- Demonstrate understanding of research methodology and apply critical and analytical thinking to interpret data and present well-reasoned conclusions.

Communication and collaboration

- Engage proactively in academic discussions, group tasks, and collaborative activities, demonstrating respect for diverse perspectives and effective interpersonal skills.

- Adapt language and register appropriately for a range of academic communication contexts, including group discussions, email correspondence, and peer feedback.

- Demonstrate leadership, initiative, and accountability when contributing to collaborative academic projects and problem-solving tasks.

Independent learning and reflection

- Apply effective self-reflection and independent learning strategies to monitor progress, set goals, and take responsibility for academic development.

- Critically evaluate personal learning strategies and make informed adjustments to improve academic performance and autonomy.

- Seek out and utilise appropriate academic resources (e.g. journals, databases, support services) to enhance subject knowledge and skill development.

Get in touch!

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Tel: (+44) 759 841 4651
Email: pathway@gedu.global