

UNREAL ENGINE

Unreal Engine

Game Design & Development

Students step into the professional game development workflows used in modern studios, building advanced gameplay systems and production-ready projects while creating a polished portfolio of industry-standard work.

DESIGN. BUILD. CODE. PUBLISH.



8 – 12 AGE GROUP	Intermediate LEVEL	6 Months DURATION	48 SESSIONS	60 min PER SESSION	Unreal Engine 5 SOFTWARE
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6-MONTH LEARNING PATHWAY

- Advanced Blueprint Gameplay Systems**
Build health, inventory, scoring and interaction systems with reusable Blueprints.
- Game AI & Intelligent Characters**
Create enemies and NPCs that patrol, chase and react using Behaviour Trees and navigation.
- Character Animation**
Bring characters to life with Animation Blueprints, blend spaces and montages.
- Cinematics with Sequencer**
Direct cutscenes and trailers with cameras, lighting and timing.
- Visual Effects with Niagara**
Design particle effects such as fire, magic, explosions and weather.
- Optimisation, Packaging & Portfolio**
Profile performance, package for multiple platforms and present a portfolio-ready capstone.

Level 2 programme. Recommended after Unreal Engine Foundation: Complete Product Knowledge.

WHAT STUDENTS WILL ACHIEVE

- ✓ Design and build advanced gameplay systems
- ✓ Create intelligent AI behaviour for game characters
- ✓ Develop animations, cinematics and visual effects
- ✓ Optimise projects for performance across multiple platforms

SKILLS STUDENTS GAIN

- Digital Creativity
- Computational Thinking
- Game Design
- Collaboration
- Problem Solving
- Coding Fundamentals

Includes: Capstone Project + Parent Showcase

WHY ASCEND EDTECH • Minecraft Education Partner • Unreal Authorized Training Center • NASEF UAE • Best in STEM Award

START NOW
ENROL NOW

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