

## KEY PROGRAMME INFORMATION

<b>Originating institution(s)</b> Bournemouth University	<b>Faculty responsible for the programme</b> Faculty of Science and Technology
<b>Final award(s), title(s) and credit</b> <b>BSc (Hons) Games Programming – 120 (60 ECTS) Level 4 /120 (60 ECTS) Level 5 / 120 (60 ECTS) Level 6 credits</b>	
<b>Intermediate award(s), title(s) and credits</b> Dip HE Games Programming – <b>120 (60 ECTS) Level 4 /120 (60 ECTS) Level 5 credits</b> Cert HE Games Programming – <b>120 (60 ECTS) Level 4 credits</b>	
<b>UCAS Programme Code(s) (where applicable and if known)</b>  TBC	<b>HECoS (Higher Education Classification of Subjects) Code and balanced or major/minor load.</b> 101267 Computer Games 101268 Computer Games Design 101020 Computer Games Programming 101019 Computer Games Graphics
<b>External reference points</b> <ul style="list-style-type: none"> <li>• UK Quality Code for Higher Education;</li> <li>• Part A: Setting and maintaining academic standards;</li> <li>• Chapter A1: UK and European reference points for academic standards (October 2013) - incorporates the Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (Qualification Frameworks);</li> <li>• QAA Honours Degree Subject Benchmark Statement: Computing (February 2016)</li> <li>• TIGA standards and guidelines.</li> </ul>	
<b>Professional, Statutory and Regulatory Body (PSRB) links</b>	
<b>Places of delivery</b> Talbot Campus, Bournemouth University	
<b>Mode(s) of delivery</b> Full-time, Full-time sandwich	<b>Language of delivery</b> English
<b>Typical duration</b> Full-time - 3 years (1 year for each level) Full-time Sandwich - 4 years (1 year for each level)	
<b>Date of first intake</b> September 2025	<b>Expected start dates</b> September
<b>Maximum student numbers</b> N/A	<b>Placements</b> Optional 30 week sandwich placement Optional short placement (4 weeks minimum)
<b>Partner(s)</b> N/A	<b>Partnership model</b> N/A

## Programme Specification – Section 1

<b>Lead Provider (for Degree Apprenticeships only)</b> N/A
<b>Date of this Programme Specification</b> July 2023
<b>Version number</b> 1.0-0925
<b>Approval, review or modification reference numbers</b> E222311
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## Programme Specification – Section 1

### PROGRAMME STRUCTURE

Programme Award and Title: BSc Games Programming								
Year 1/Level 4								
Students are required to complete all 6 core units.								
Unit Name	Core/ Option	No. of Credits	Assessment Element Weightings			Expected Contact hours per unit	Unit Version No.	HECoS Code (plus balanced or major/ minor load)
			Exam 1	Cwk 1	Cwk 2			
Games Design Principles	Core	20		100%		36	v4.0	101268
Digital Fundamentals	Core	20	30%	70%		36	v1.0	101267
Introduction To Programming	Core	20	30%	70%		36	v2.0	101020
Mathematics for Computer Graphics	Core	20	30%	70%		36	v2.0	101019
Object Oriented Game Programming	Core	20	30%	70%		36	v2.0	101020
Game Development Pipeline	Core	20		100%		36	v2.0	101267
<b>Progression requirements:</b> Requires 120 credits at Level 4 <b>Exit qualification:</b> Cert HE Games Programming								

## Programme Specification – Section 1

<b>Year 2/Level 5</b> Students are required to complete all 6 core units.								
Unit Name	Core/ Option	No. of Credits	Assessment Element Weightings			Expected Contact hours per unit	Unit Version No.	HECoS Code (plus balanced or major/ minor load)
			Exam 1	Cwk 1	Cwk 2			
Game Audio Techniques	Core	20		100%		36	v2.0	101268
Software Architecture and Development Techniques	Core	20	30%	70%		36	v1.0	101019 101020
3D Graphics Programming	Core	20	30%	70%		36	v2.0	101020
Game Studio Project	Core	20		40%	60%	36	v2.0	101267
Physics for Games	Core	20	30%	70%		36	v3.0	101020
Programming for Interaction	Core	20		100%		36	v2.0	101020
<b>Progression requirements:</b> Requires 120 credits at Level 5 <b>Exit qualification:</b> Dip HE Games Programming (requires 120 credits at Level 4 and 120 credits at Level 5)								
<b>Compulsory/Optional placement year in industry/business:</b> Optional sandwich placement is taken between levels 5 and 6  <b>Progression requirements:</b> Satisfactory completion of a minimum 30-week placement in industry. Students who do not choose to undertake the optional sandwich placement may progress directly from Level 5 to Level 6								

## Programme Specification – Section 1

<b>Year 3/Level 6</b>								
Students are required to complete all 5 core units.								
Unit Name	Core/ Option	No. of Credits	Assessment Element Weightings			Expected Contact hours per unit	Unit Version No.	HECoS Code (plus balanced or major/ minor load)
			Exam 1	Cwk 1	Cwk 2			
Graphics and Computational Programming	Core	20		100%		36	v6.0	101019
Game Engine Programming	Core	20		100%		36	v2.0	101020
AI Programming	Core	20		100%		36	v1.0	101020
Contemporary Innovations in Games	Core	20		100%		36	v1.0	101267 101268
Individual Development Project	Core	40		100%		25	v1.0	101267 101268 101020 101019

**Exit qualification: BSc Games Programming**

**Sandwich UG award:** Requires 120 credits at Level 4, 120 credits at Level 5, 120 credits at Level 6 and successful completion of a placement year

**Full-time UG award:** Requires 120 credits at Level 4, 120 credits at Level 5 and 120 credits at Level 6

### AIMS OF THE DOCUMENT

The aims of this document are to:

- define the structure of the programme;
- specify the programme award titles;
- identify programme and level learning outcomes;
- articulate the regulations governing the awards defined within the document.

### AIMS OF THE PROGRAMME

This programme aims to develop critically informed, agile and resourceful graduates, who:

- can produce computer games in a legally, ethically and critically-informed manner;
- have developed understanding of key issues in games development;
- combine the critical faculties that derive from a traditional academic degree with the professional skills and flexibility needed to get the best jobs in the games development industry;
- can manage their own personal development and lifelong learning;
- are prepared for a variety of output media;  
are equipped to be familiar with a variety of industry standard tools and agile enough to respond to new technologies and consumer trends.

**BSc (Hons) Games Programming** is a course that focusses on the technical expertise required to develop computer games, including the core skills of computer programming. The core technical areas cover 2D and 3D graphics rendering, physics, artificial intelligence and human-computer interaction required for the development of high-end computer games platforms. The course will also involve working in multi-disciplinary (creative and technical) teams through the development of computer games. The course focusses on providing students with skills which are aligning with current industry practices to enhance their employability prospects.

### ALIGNMENT WITH THE UNIVERSITY'S STRATEGIC PLAN

The BSc (Hons) Games Programming programme is informed by and aligned with Bournemouth University's 2025 strategic plan and the fusion of excellent teaching, world-class research and professional practice that is at the heart of the institution's visions and values. Students are supported by academics with a wealth of industry experience, many of whom are actively engaged in the production of Computer Games Tools and Technologies for a wide range of commercial clients. Academics delivering the programme are actively engaged in cutting edge research, while students are encouraged to participate in a range of co-creation and co-publication projects. The programme's innovative pedagogic approach offers students the opportunity to learn by engaging in a series of practical, industry focused tasks. These are aimed at equipping students with the full range of skills necessary to succeed in the games design environment, and are informed by the academic team's own industrial experience as well as by a network of industry contacts, who will also contribute directly to the programme by delivering guest lectures.

### LEARNING HOURS AND ASSESSMENT

Bournemouth University taught programmes are composed of units of study, which are assigned a credit value indicating the amount of learning undertaken. The minimum credit value of a unit is normally 20 credits, above which credit values normally increase at 20-point intervals. 20 credits is the equivalent of 200 study hours required of the student, including lectures, seminars, assessment and independent study. 20 University credits are equivalent to 10 European Credit Transfer System (ECTS) credits.

The assessment workload for a unit should consider the total time devoted to study, including the assessment workload (i.e. formative and summative assessment) and the taught elements and independent study workload (i.e. lectures, seminars, preparatory work, practical activities, reading, critical reflection).

## Programme Specification - Section 2

Assessment per 20 credit unit should normally consist of 3,000 words or equivalent. Dissertations and Level 6 and 7 Final Projects are distinct from other assessment types. The word count for these assignments is 5,000 words per 20 credits, recognising that undertaking an in-depth piece of original research as the capstone to a degree is pedagogically sound.

Students who choose to undertake the sandwich placement after Level 5 will engage in 30 weeks of full-time work-based learning between Levels 5 and 6, students who do not undertake the sandwich placement will be eligible to progress directly on to Level 6.

### **STAFF DELIVERING THE PROGRAMME**

Students will usually be taught by a combination of senior academic staff with others who have relevant expertise including – where appropriate according to the content of the unit – academic staff, qualified professional practitioners, demonstrators/technicians and research students.

To ensure that the practical aspects of the programme are appropriately aligned with current industry practice, and to provide students with a broad range of high-quality learning opportunities aimed at enhancing employability; some units may be jointly delivered by a mixture of both BU lecturers and appropriately qualified industrial professional practitioners.

## INTENDED LEARNING OUTCOMES – AND HOW THE PROGRAMME ENABLES STUDENTS TO ACHIEVE AND DEMONSTRATE THE INTENDED LEARNING OUTCOMES

### PROGRAMME AND LEVEL 6 INTENDED PROGRAMME OUTCOMES

<p><b>A: Subject knowledge and understanding</b> This programme provides opportunities for students to develop and demonstrate knowledge and understanding of:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme learning outcomes:</p>
<p><b>A1</b> relevant theories, concepts and principles pertinent to games programming;</p> <p><b>A2</b> the tools, techniques and industry relevant software with which games programmers operate;</p> <p><b>A3</b> appropriate research methodologies in carrying out independent research in computer games and produce a report demonstrating evidence of critical thinking;</p> <p><b>A4</b> the multi-disciplinary nature of games design and the need to apply concepts from a range of scientific principles;</p> <p><b>A5</b> the full life-cycle of a computer games project;</p> <p><b>A6</b> the structure and business techniques used within the commercial games industry and strategies to secure employment or entrepreneurial opportunities within the sector.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (A1- A6);</li> <li>• seminars (A1 – A6);</li> <li>• practical tutorial or lab sessions (A1-A6);</li> <li>• directed reading (A1 – A6);</li> <li>• use of the VLE (A6);</li> <li>• independent study time (A1-A6);</li> <li>• personal development (A1-A6);</li> <li>• independent research (for dissertation) (A3).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (A1-A6);</li> <li>• dissertation (A3).</li> </ul>
<p><b>B: Intellectual skills</b> This programme provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme outcomes:</p>
<p><b>B1</b> critically evaluate theory and practice of programming principles;</p> <p><b>B2</b> analyse and synthesise information for computer-based systems;</p> <p><b>B3</b> integrate and synthesise evidence from a range of sources to support findings, proposed solutions and hypotheses;</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (B1-B5);</li> <li>• lab sessions (B1-B5);</li> <li>• directed reading (B1-B5);</li> <li>• use of the VLE (B4);</li> <li>• independent study time (B1-B5);</li> <li>• personal development (B1-B5);</li> </ul>



## Programme Specification - Section 2

<p><b>B4</b> effectively deploy appropriate methods and tools for the definition, construction and development of functioning computer games;</p> <p><b>B5</b> explain fundamental programming paradigms and contextual use cases, with knowledge of underpinning benefits and limitations.</p>	<ul style="list-style-type: none"> <li>• independent research (B3).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (B1-B5);</li> <li>• dissertation (B3).</li> </ul>
<p><b>C: Practical skills</b></p> <p>This programme provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme learning outcomes:</p>
<p><b>C1</b> demonstrate confidence and competence in the use of theory, practice and tools to specify, design and implement computer games;</p> <p><b>C2</b> conduct research into the commercial aspects of the games industry</p> <p><b>C3</b> use appropriate skills to communicate effectively in team working and commercial situations;</p> <p><b>C4</b> work as part of a development team with an implicit understanding of appropriate and intrinsic methodologies;</p> <p><b>C5</b> Using core analytical techniques and design tools, write appropriate computer programs.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (C3);</li> <li>• seminars (C1-C5);</li> <li>• practical tutorial or lab sessions (C1-C5);</li> <li>• independent study time (C2, C5);</li> <li>• personal development (C1-C5);</li> <li>• independent research (C2).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (C1-C5).</li> </ul>
<p><b>D: Transferable skills</b></p> <p>This programme provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme learning outcomes:</p>
<p><b>D1</b> perform effectively when working in collaboration with others; deploy a range of interpersonal skills including effective listening, negotiating, persuasion and presentation;</p> <p><b>D2</b> undertake research and demonstrate literature review skills;</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (D5, D6);</li> <li>• seminars (D1-D6);</li> <li>• practical tutorial or lab sessions (D1-D6);</li> <li>• directed reading (D1-D6);</li> <li>• use of the VLE (D5, D6);</li> <li>• independent study time (D2, D4);</li> </ul>

## Programme Specification - Section 2

<b>D3</b> demonstrate openness and sensitivity to diversity in terms of other people, cultures and commercial issues;	<ul style="list-style-type: none"><li>• personal development (D1, D4);</li><li>• independent research (D2).</li></ul>
<b>D4</b> manage their own motivation, tasks and behaviour in enterprising, innovative and professionally appropriate ways;	Assessment strategies and methods (referring to numbered Intended Learning Outcomes):
<b>D5</b> solve numerical problems and analyse information;	
<b>D6</b> devise innovation to practical programming problems.	

## LEVEL 5/DipHE INTENDED LEVEL OUTCOMES

<p><b>A: Knowledge and understanding</b> This level provides opportunities for students to develop and demonstrate knowledge and understanding of:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme learning outcomes:</p>
<p><b>A1</b> relevant theories, concepts and principles pertinent to games programming;  <b>A2</b> the tools, techniques and industry relevant software with which games developers operate;  <b>A3</b> appropriate research methodologies to produce a report demonstrating evidence of implementation strategies and critical thinking;  <b>A4</b> the multi-disciplinary nature of games programming;  <b>A5</b> the integration of sub-systems into games and game engines;  <b>A6</b> the business and commercial considerations associated with computer game development.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (A1- A6);</li> <li>• seminars (A1 – A6);</li> <li>• practical tutorial or lab sessions (A1-A6);</li> <li>• directed reading (A1 – A6);</li> <li>• use of the VLE (A6);</li> <li>• independent study time (A1- A6);</li> <li>• personal development (A1- A6);</li> <li>• independent research (A3).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (A1-A6);</li> </ul>
<p><b>B: Intellectual skills</b> This level provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme outcomes:</p>
<p><b>B1</b> feedback on theory and practice of programming principles;  <b>B2</b> analyse information on algorithms for a variety of principal game components;  <b>B3</b> give examples of evidence from a range of sources to support findings and hypotheses;  <b>B4</b> apply appropriate methods and tools for the definition, construction and development of functioning computer games;  <b>B5</b> explain intermediate programming paradigms and contextual use cases.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (B1-B5);</li> <li>• seminars (B1-B5);</li> <li>• practical tutorial or lab sessions (B1-B5);</li> <li>• directed reading (B1-B5);</li> <li>• use of the VLE (B4);</li> <li>• independent study time (B1- B5);</li> <li>• personal development (B1- B5);</li> <li>• independent research (B3).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (B1-B5);</li> </ul>
<p><b>C: Practical skills</b> This level provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve</p>

## Programme Specification - Section 2

	and to demonstrate the programme learning outcomes:
<p><b>C1</b> test a range of established techniques to implement a design solution;</p> <p><b>C2</b> conduct research into the commercial workings of the games industry;</p> <p><b>C3</b> use appropriate skills to communicate effectively in team working situations;</p> <p><b>C4</b> work as part of a development team;</p> <p><b>C5</b> demonstrate an understanding of how graphics systems and audio are integrated into games and game engines.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (C3);</li> <li>• seminars (C1-C5);</li> <li>• practical tutorial or lab sessions (C1-C5);</li> <li>• independent study time (C2, C5);</li> <li>• personal development (C1-C5);</li> <li>• independent research (C2).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (C1-C5).</li> </ul>
<p><b>D: Transferable skills</b> This level provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme learning outcomes:</p>
<p><b>D1</b> improve upon a range of interpersonal skills including effective listening, negotiating, persuasion and presentation;</p> <p><b>D2</b> undertake research and demonstrate literature review skills;</p> <p><b>D3</b> demonstrate openness and sensitivity to diversity in terms of other people, cultures and commercial issues;</p> <p><b>D4</b> manage their own motivation and time;</p> <p><b>D5</b> solve numerical problems for certain problems, for example matrix manipulation or audio mixing;</p> <p><b>D6</b> apply underpinning programming principles to real problems.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (D5, D6);</li> <li>• seminars (D1-D6);</li> <li>• practical tutorial or lab sessions (D1-D6);</li> <li>• directed reading (D1-D6);</li> <li>• use of the VLE (D5, D6);</li> <li>• independent study time (D2, D4);</li> <li>• personal development (D1, D4);</li> <li>• independent research (D2).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (D1-D6).</li> </ul>

**LEVEL 4/Cert HE INTENDED LEVEL OUTCOMES**

<p><b>A: Knowledge and understanding</b> This level provides opportunities for students to develop and demonstrate knowledge and understanding of:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme learning outcomes:</p>
<p><b>A1</b> foundational theories, concepts and principles pertinent to games programming;</p> <p><b>A2</b> the tools, techniques and industry relevant software with which games developers operate;</p> <p><b>A3</b> describing low level concepts through report writing;</p> <p><b>A4</b> a range of scientific principles;</p> <p><b>A5</b> the life-cycle of a computer games project.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (A1- A5);</li> <li>• seminars (A1 – A5);</li> <li>• practical tutorial or lab sessions (A1-A5);</li> <li>• directed reading (A1 – A5);</li> <li>• independent study time (A1- A5);</li> <li>• personal development (A1- A5);</li> <li>• independent research (A3).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (A1-A5)</li> </ul>
<p><b>B: Intellectual skills</b> This level provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme outcomes:</p>
<p><b>B1</b> discuss theory and practice of programming principles;</p> <p><b>B2</b> analyse information for computer-based systems;</p> <p><b>B3</b> start to undertake evidence-based research;</p> <p><b>B4</b> gain experience with tools for the definition, construction and development of functioning computer games;</p> <p><b>B5</b> review programming paradigms.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (B1-B5);</li> <li>• seminars (B1-B5);</li> <li>• practical tutorial or lab sessions (B1-B5);</li> <li>• directed reading (B1-B5);</li> <li>• use of the VLE (B4);</li> <li>• independent study time (B1- B5);</li> <li>• personal development (B1- B5);</li> <li>• independent research (B3).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (B1-B5).</li> </ul>
<p><b>C: Practical skills</b></p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve</p>

## Programme Specification - Section 2

This level provides opportunities for students to:	and to demonstrate the level learning outcomes:
<p><b>C1</b> identify industry-standard game production software and components;</p> <p><b>C2</b> review numbers, algebra, discrete mathematics, geometry and coordinate systems in the context of computer graphics;</p> <p><b>C3</b> identify the fundamental components and operations of computer systems;</p> <p><b>C4</b> recognise different development methodologies;</p> <p><b>C5</b> write appropriate computer programs.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (C3);</li> <li>• seminars (C1-C5);</li> <li>• practical tutorial or lab sessions (C1-C5);</li> <li>• independent study time (C2, C3, C5);</li> <li>• personal development (C1-C5).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (C1-C5).</li> </ul>
<p><b>D: Transferable skills</b></p> <p>This level provides opportunities for students to:</p>	<p>The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:</p>
<p><b>D1</b> start to work in teams, gaining insight into tenets of programming practice;</p> <p><b>D2</b> undertake directed research;</p> <p><b>D3</b> manage their own time;</p> <p><b>D4</b> address numerical problems;</p> <p><b>D5</b> approach practical programming problems.</p>	<p>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• lectures (D4, D5);</li> <li>• seminars (D1-D5);</li> <li>• practical tutorial or lab sessions (D1-D5);</li> <li>• directed reading (D1-D5);</li> <li>• use of the VLE (D4, D5);</li> <li>• independent study time (D2, D4);</li> <li>• personal development (D1, D4);</li> <li>• independent research (D2).</li> </ul> <p>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</p> <ul style="list-style-type: none"> <li>• coursework (D1-D5)</li> </ul>

## Programme Specification - Section 2

### Programme Skills Matrix

Units		Programme Intended Learning Outcomes																							
		A 1	A 2	A 3	A 4	A 5	A 6	B 1	B 2	B 3	B 4	B 5	C 1	C 2	C 3	C 4	C 5	D 1	D 2	D 3	D 4	D 5	D 6		
L E V E L  6	Graphics and Computational Programming	x	x	x	x	x		x	x		x	x	x				x				x	x	x		
	Game Engine Programming	x	x	x	x	x		x	x		x	x	x				x				x	x	x		
	AI Programming	x	x	x	x			x	x	x	x	x	x	x			x		x		x	x	x		
	Contemporary Innovations In Games	x	x	x	x		x			x		x	x	x	x			x	x	x	x	x			
	Personal Development Project (40C)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		
L E V E L  5	Game Audio Techniques	x	x	x	x	x				x			x		x		x	x		x	x	x			
	Software Architecture & Design Techniques	x	x	x		x	x	x	x	x	x	x					x			x	x	x			
	3D Graphics Programming	x	x			x		x	x	x	x	x					x			x	x	x			
	Game Studio Project	x	x	x	x	x	x			x	x		x	x	x	x		x		x	x				
	Physics for Games	x	x			x		x	x	x	x	x	x						x	x	x	x			
	Programming for Interaction	x	x	x		x	x	x	x	x	x	x	x		x			x	x	x	x	x	x		
L E V E L  4	Games Design Principles	x	x	x	x	x				x	x					x		x	x	x					
	Introduction to Programming	x	x	x	x	x		x	x		x	x	x	x		x	x		x	x	x	x			
	Digital Fundamentals	x	x	x	x				x	x		x	x	x					x	x	x	x			
	Mathematics for Computer Graphics	x	x	x	x			x			x	x		x					x	x	x	x			
	Object-Oriented Game Programming	x	x	x	x	x		x			x	x	x	x		x	x		x	x	x	x			
	Game Development Pipeline	x	x	x		x		x	x	x	x		x		x	x	x	x	x	x		x			

### ADMISSION REGULATIONS

Please refer to the course website for further information regarding admission regulations for this programme: [www.bournemouth.ac.uk/study/undergraduate/courses](http://www.bournemouth.ac.uk/study/undergraduate/courses)

### PROGRESSION ROUTES

Recognition arrangements provide formally approved entry or progression routes through which students are eligible to apply for a place on a programme leading to a BU award. Recognition does not guarantee entry onto the BU receiving programme only eligibility to apply. In some cases, additional entry criteria such as a Merit classification from the feeder programme may also apply. Please see the [recognition register](#) for a full list of approved Recognition arrangements and agreed entry criteria.

### ASSESSMENT REGULATIONS

The regulations for this programme are the [University's Standard Undergraduate Assessment Regulations](#)

Articulation:

Students who have successfully completed the Bournemouth University International College (Kaplan) Computing Pathway with a minimum of 50% course average and 60% in English will be automatically accepted for entry, without advanced standing, to Level 4 of BSc (Hons) Games Programming.

### WORK BASED LEARNING (WBL) AND PLACEMENT ELEMENTS

Placements; this programme offers an optional placement year. This bears no credits. The duration of the placement is normally 30 weeks of supervised work experience and the aims of the placement year are to give the students experience of working within an appropriate professional environment which will contribute to their potential employability, mobility and global awareness. Completion of the four year degree, i.e. one with a 30-week placement included, will entitle students to a 'sandwich award'. Shorter (also optional) placements of 4 weeks with no coursework attached are also possible although the sandwich award is then no longer an option. Completion of the three-year full-time degree will, instead, entitle students to a 'full-time award'.

The placement is recognised at Bournemouth University as adding considerable value to graduate profiles and students are very strongly advised to follow the sandwich route. The non-sandwich route is designed for mature students who have experience of the world of work and who may need to complete their course in three years for financial (or other) reasons. In some cases, on submission of relevant evidence, such students may be eligible for Recognition of Prior Learning (RPL). This will provide them with exemption from the placement year but will still entitle them to a sandwich degree.

The placement draws on some or all the units studied on the first two Levels (4 and 5) of this programme. Successful Level 4 and 5 completion is compulsory before proceeding to the 30-week or 4-week placement. It provides the opportunity for the student to develop their abilities and understanding of related subjects, as well as providing a platform for successful entry into the relevant profession (following graduation). It can also make a major contribution to the understanding of the final Level (6) units, further develops final projects or dissertation research by utilising the context of the work experience as appropriate and, finally, significantly enhances students' prospects of future employment.

Further information on the Department's placements policy and procedure can be sourced in the Creative Technology Placements Handbook.



