Unity®

PUE ACADEMY DAY
25 ANIVERSARIO

Unity Learn

Aprende, enseña y certifícate en videojuegos con Unity

Sergio Banderas

Unity Tech Lead PUE Academy
y docente de FP de Informática
en CPIFP Alan Turing

Mounaim Makhtari

EMEA Sr. Director of Sales at
Certiport - A Pearson VUE Business

pue | academy

LEARN · PRACTICE · CERTIFY

Facilitamos la formación y certificación oficial en tecnología al mundo educativo

CERTIPORT
A PEARSON VUE BUSINESS

Unity Certified User

Unity
CERTIFIED
User

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The Power of Certification

Thomas Winkley
Technical Marketing Advocate
Social Impact - Education

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Mounaim Makhtari

EMEA Sr. Director
of Sales en Certiport

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CERTIPORT
A PEARSON VUE BUSINESS

UNITY CERTIFIED USER

Unity
CERTIFIED
User

www.certiport.com/unity

Mounaim MAKHTARI (PhD)
Sr. Director of Sales
Europe Middle East and Africa

GLOBALLY RECOGNIZED

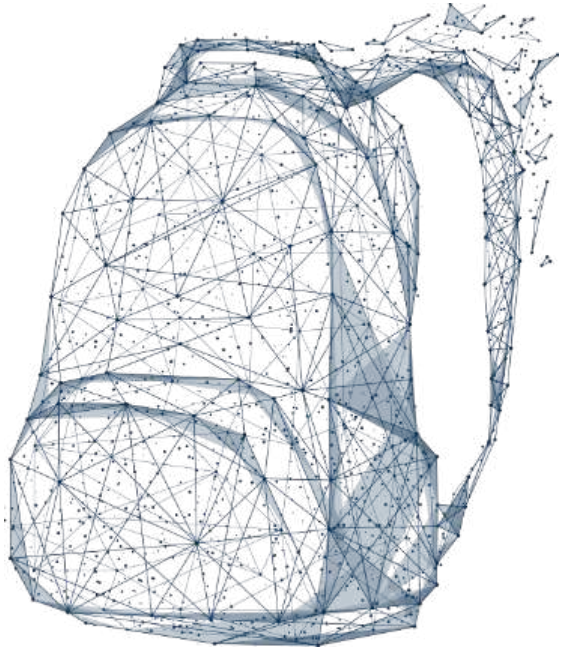
OFFICIAL INDUSTRY CERTIFICATIONS

FOR COLLEGE AND CAREER READINESS

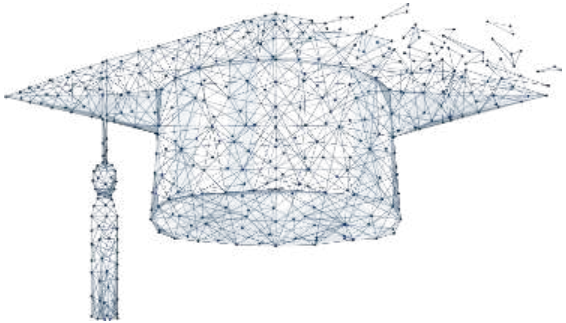
Certiport is dedicated to helping people succeed through certification. Our globally recognized, official credentials are aimed at enhancing individual productivity, marketability, and value.

ACADEMIC MARKET

ASSOCIATE & FOUNDATIONAL LEVEL CERTIFICATION



Primary and Secondary School



Postsecondary School and Higher Education

Workforce and Commercial

WHO IS UNITY?

GAMES WITH UNITY

ARCHITECTURE, ENGINEERING & CONSTRUCTION WITH UNITY

CERTIFICATIONS FACTS

- **Over 60%** of AR/VR content is made with Unity
- **Over 50%** of all mobile games are made using Unity
- Unity has partnered with Apple to create games and apps for the new Apple Vision Pro
- BMW employs Unity across its production, marketing, and safety divisions
- Unity Wētā developed many of the tools and solutions used to bring the world of Avatar: The Way of Water to life.
- Unity has partnered with the Vancouver Airport to help reimagine operations and design

JOB DEMAND

"Industry demand for these skills has **grown 601% faster** than the market overall"

"Tech professionals who have Unity skills earn **over $20,000** more than their peers without Unity skills"

"AR-related jobs will grow **64.4%** over the next two years"

"1400% increase in industry demand for XR developer skills"

burningglass TECHNOLOGIES

Unity®

TESTIMONIALS

"Our students like using Unity because they are able to pick it up very quickly."

– Hans Telford, Associate Lecturer

tafe Queensland

"Unity is particularly good for developing interactive entertainment applications. It's also very user friendly for art-oriented students who may not have much technical expertise."

– Dr. William Lai, Assistant Professor, Program Leader of BA (Hons) in Computing and Interactive Entertainment

香港公開大學
THE OPEN UNIVERSITY OF HONG KONG

"Working with Unity at UM opened doors to additional internship opportunities in the industry"

– Rachel DePaz, Core Programmer, Innovative Team

MIAMI

UNITY CERTIFICATIONS

CERTIPORT
A PEARSON VUE BUSINESS

Pearson | VUE

High school and Unity beginners

Validates foundational skills in Unity and ability to create interactive, real-time 3D experiences.

- Programmer
- Artist
- VR Developer

Post-secondary and aspiring professionals

Designed for creators with a portfolio of Unity projects ready to apply for their first professional Unity role.

- Game Developer
- Programmer
- Artist

2–4 years of Unity work experience

Highlights your readiness for your next professional challenge.

- Programmer
- Artist

5+ years of Unity work experience

Validates your expert-level skills and mastery of advanced Unity concepts

- Programmer

WHAT JOBS DO THESE EXAMS MAP TO?

Unity Certified User (UCU) Programmer Exam

Unity Certified User (UCU) VR Developer Exam

Unity Certified User (UCU) Artist Exam

UNITY CERTIFIED USER CERTIFICATIONS

UNITY CERTIFIED USER CERTIFICATIONS

Objective Domains:

- Basic Unity Concepts for VR Development
- Determine user interactions
- Building a Scene for VR
- UX Implementation for VR
- Scripting with Unity
- Troubleshooting and Playtesting

40-50 Questions 50 minutes

UNITY CERTIFIED USER CERTIFICATIONS

Objective Domains:

- Debugging, problem-solving, and interpreting the API
- Creating with Code
- Evaluating Code
- Navigating the Interface

40 Questions 50 minutes

UNITY CERTIFIED USER CERTIFICATIONS

Objective Domains:

- 2D and 3D digital artistry
- Asset management
- Scene and content design
- Lighting, cameras, and materials

40 questions, 50 minutes

UNITY CERTIFIED USER

FULL PATHWAY SOLUTION

LEARN

Unity Certified User Curriculum

- Lesson plans, activities and projects aligned to exam objectives of UCU certification

Create with Code

- Self-paced course designed for students to master the fundamentals of computer science and programming in C# over a series of projects.

Unity Learn

- Free tutorials, courses, and more.

UNITY CERTIFIED USER

FULL PATHWAY SOLUTION

LEARN → PRACTICE

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CertPREP Practice Test

- Simulates the testing environment
- Self-paced & timed practice questions
- Printable score report

CertPREP
PRACTICE TESTS

FULL PATHWAY SOLUTION

LEARN → PRACTICE → CERTIFY

Unity Certified User Curriculum

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CertPREP Practice Test

- Simulates the testing environment
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- Printable score report

CertPREP
PRACTICE TESTS

Unity Certified User

- Certification
- Digital badge that can be claimed through Credly

UNITY CERTIFIED USER

FULL PATHWAY SOLUTION

LEARN → PRACTICE → CERTIFY → ADVANCE

Unity Certified User Curriculum

- Lesson plans, activities and projects aligned to exam objectives of UCU certification

Create with Code

- Self-paced course designed for students to master the fundamentals of computer science and programming in C# over a series of projects.

Unity Learn

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CertPREP PRACTICE TESTS

Unity Certified User

- Certification
- Digital badge that can be claimed through Credly

My Pathway

- Direction for stackable credentials that lead to careers,
- Provide labor market data and salary information in a single location.

MY PATHWAY

=

+

JOBS

- VR Designer **$65K+**
- VR Specialist **$75K+**
- VR Technician **$55K+**

MY PATHWAY

=

+

+

JOBS

- Digital Creative Producer **$61K+**
- Format Producer **$64K+**
- Game Designer **$40K+**
- Gaming Content Producer **$70K+**
- Video Game Producer **$66K+**

FREE RESOURCES

Free Unity software for educators

- https://unity.com/products/unity-education

Unity Learn

- https://learn.unity.com/
- Robust collection of on-demand and live learning content

WHAT'S NEXT?

Contact your **PUE** our *exclusive partner* in Spain to go over any questions you might have and to get started as a Certiport Authorized Testing Center (CATC)

Get Started

CERTIPORT®

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THANK YOU!

Sergio Banderas

Unity Tech Lead PUE Academy y
docente de FP de Informática
en CPIFP Alan Turing

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- Quién soy
- Por qué Videojuegos
- Videojuegos y FP
- Otros niveles Educativos
- Certificaciones Unity
- Formación PUE Academy
- Unity Learn – Unity Education
- Perfiles profesionales
- Tendencias

Quién Soy

Sergio Banderas
@sergiflags

Profesor FP Informática :

Tutor y Docente Máster de FP Desarrollo de Videojuegos y VR:

Coordinador Internacionalización FP :

Unity Teach Lead - PUE Academy

Unity

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¿ Por qué Videojuegos ?

- Motivación
- Proactividad

  Aprender a Aprender
- Trabajo en Equipo
- Innovación
- Competencias Digitales
- Arte, Creatividad
- Inteligencia Artificial
- Comunicación
- Tecnologías muy demandadas en la Industria

Videojuegos y Formación Profesional

MINISTERIO DE EDUCACIÓN Y FORMACIÓN PROFESIONAL

FP GS

Ciclos Formativos de Grado Superior:

- Desarrollo de Aplicaciones Web
- Desarrollo de Aplicaciones Multiplataforma
- Administración de Sisteams Informáticos en Red
- Animaciones 3D, Juegos y Entornos Interactivos

Curso de Especialización (Máster de FP):

FP CE

- Desarollo de Videojuegos y Realidad Virtual

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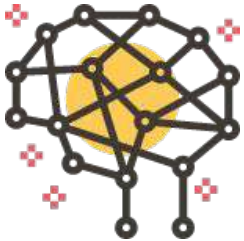
Curso de Especialización en Desarrollo de Videojuegos y Realidad Virtual

MÁSTER DE FP

Programación y Motores de Videojuegos

Diseño Gráfico 2D y 3D



Programación en Red e Inteligencia Artificial

Realidad Virtual y Realidad Aumentada

Diseño, Gestión, Publicación y Producción

Unity

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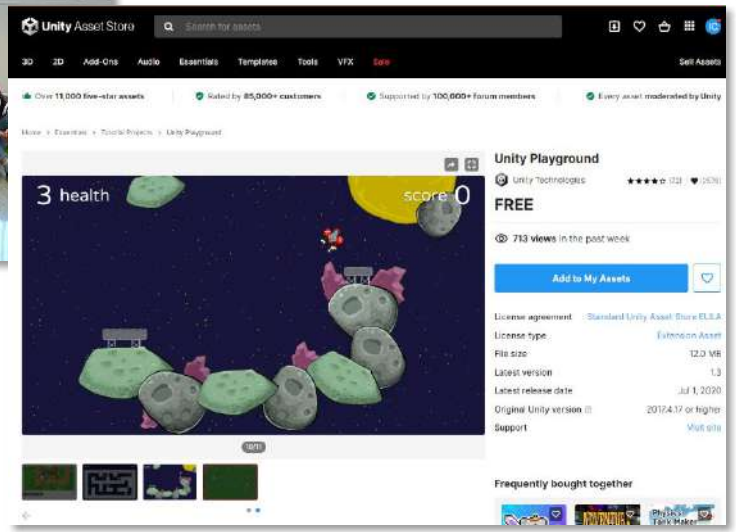
OTROS NIVELES EDUCATIVOS ….

- Primaria
- Secundaria
- FP Básica
- Bachillerato
- FP Grado Medio



Unity

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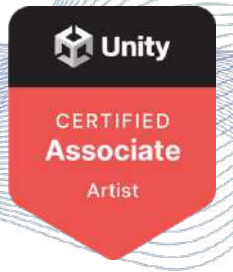
FASES DE CREACIÓN DE UN PROYECTO DE VIDEOJUEGOS (Aprendizaje Basado en Proyectos)

- Guion / Narrativa
- Arte 2D/3D
- Programación
- Sonido
- Testeo
- Publicación
- Marketing

Certificaciones Oficiales Unity



Unity

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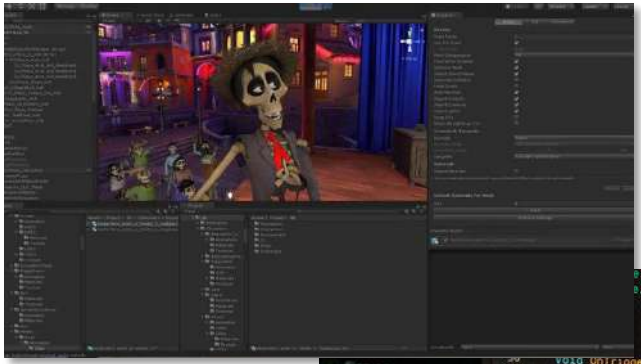
Programmer

- Manejo de la herramienta Unity
- C# Scripts
- Flujo de trabajo, guías de estilo
- Control de movimiento
- Control de Cámaras
- Pipeline de Arte
- Interacción con UI
- Triggers
- Efectos visuales y Audio
- Timeline y Cinemachine
- ECS (Entity Component System)



Unity

CERTIFIED
User
Programmer

Unity

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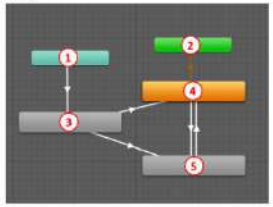
Programmer (test example)

Select the appropriate datatype to pass using the GetComponent method to initialize the variables.

```
public class ExampleClass : MonoBehaviour
{

[Tab]private Rigidbody rb;
[Tab]private Animator anim;


[Tab]void Start()
[Tab]{

[Tab]anim = gameObject.GetComponent< Choose One... >();

[Tab]rb = gameObject.GetComponent< Choose One... >();


[Tab]}

}
```

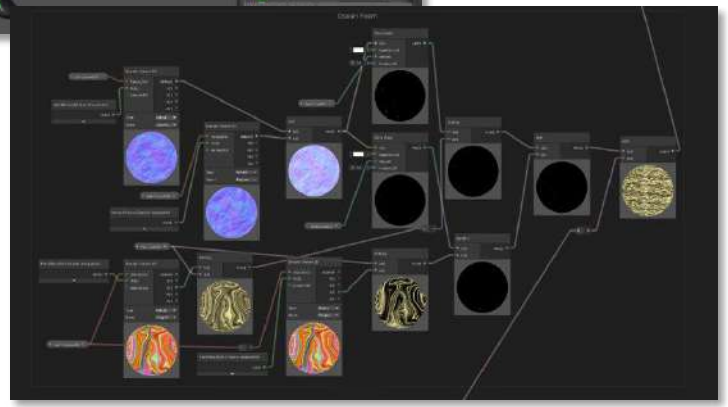
You have been asked to create a simple animation controller for the player. The player is expected to have jump/fall, idle, and walking animations with an Any State and Entry. The player can jump/fall at any given time during any other animation. Match each animation state to the appropriate number in the graphic below:



player/jump/fall	1
Idle	
Walking	2
Any State	
Entry	3
	4
	5

Artist

- Importación y manipulación de Assets 2D&3D
- Modelado 3D con ProBuilder
- Animaciones 2D&3D
- Diseño de Niveles. Terrenos.
- Iluminación
- Cámaras
- Renderizados
- Shader Graphs



Unity
CERTIFIED
User
Artist

Unity

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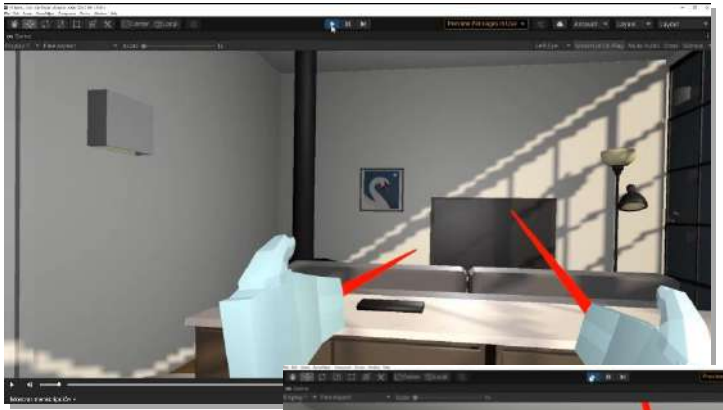
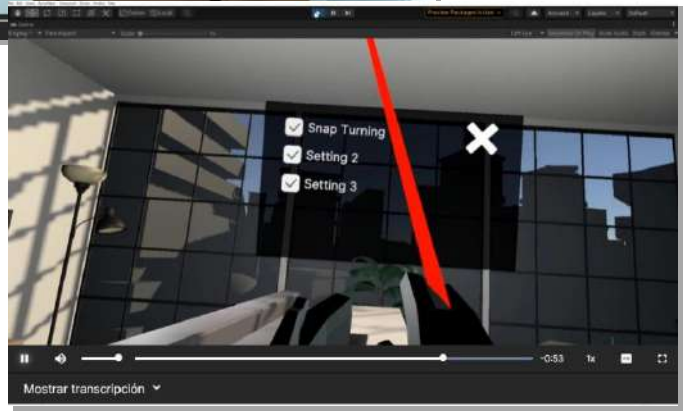
VR Developer

- Configurar Proyectos VR
- Interactuar y controlar objetos
- UI para VR
- Técnicas de Movimiento
- Sonido espacial
- Optimización de Texturas
- Iluminación
- Efectos de partículas
- Optimización de Polígonos
- Latencia





Unity
CERTIFIED
User
VR Developer

Unity

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ALAN TURING
centro público integrado de formación profesional

polo de contenidos digitales

Unity

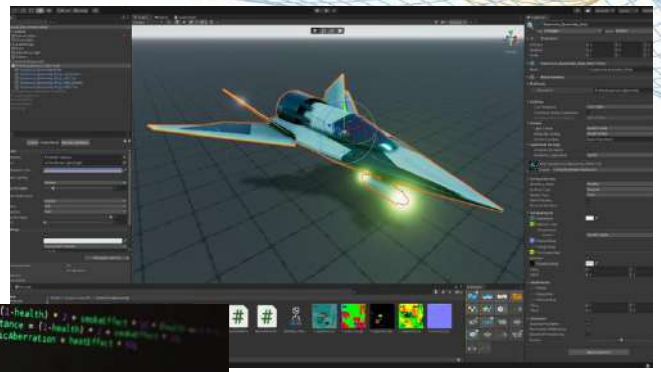
Autorithed Certification Center

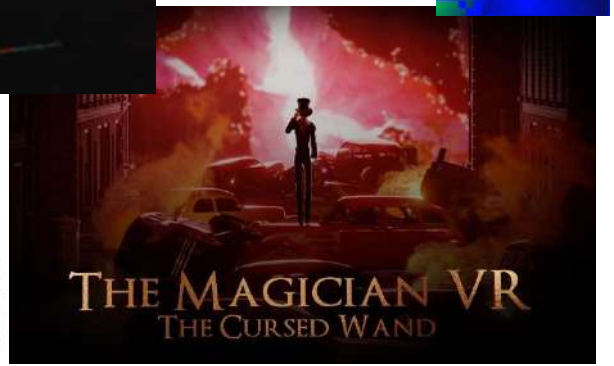
- **Más de 30 certificaciones en 2023/24**

CERTIFIED
User

Formaciones Unity – PUE Academy

- Preparación de las Certificaciones
- Webinars
- Tutorización online
- Proyectos paso a paso
- Colaboración con estudio profesional de Videojuegos/VR
- Guía por Unity Learn
- Material adicional





MASTER CROWD

Unity

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Unity Learn

- Itinerarios formativos
- Todos los niveles
- Por Temas y Tipos de Contenidos
- Sesiones en vivo
- Aprendizaje por Proyectos
- Actualización constante

Unity

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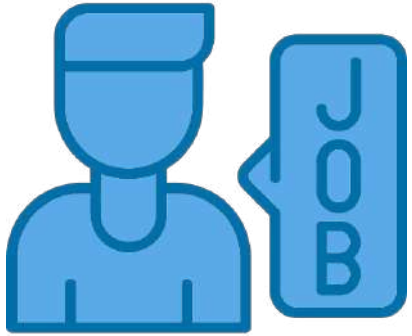
Perfiles Profesionales

- Game Developer
- Game Tester
- Game Designer
- Game Artist
- Indie Game Developer
- XR Expert
- IA Expert
- Cloud Expert
- Producer
- Publisher
- Game Audio
- FX
- Soundtrack
- 2D Artist
- 3D Artist
- 3D Modeler
- 3D Animator
- 2D Animator
- Concept Artist
- Narrative
- VFX
- And more....



Unity

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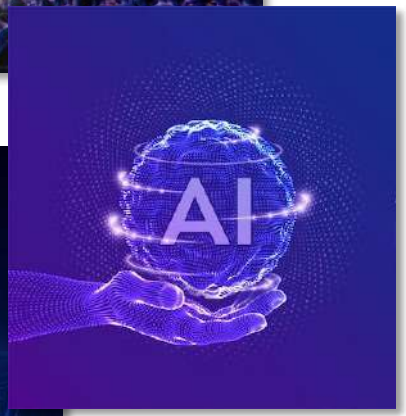
Tendencias

- 5G
- Móviles
- Cloud
- IA
- E-Sports



Unity

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Tendencias

- VR
- AR
- MR
- XR
- Metaverso

Unity

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Jordi Ariño

Tech Lead
en PUE Academy

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LEARN · PRACTICE · CERTIFY

Facilitamos la formación y certificación oficial en tecnología al mundo educativo

PUE Academy

Training & Certification Center (TCC) - Academy Support Center (ASC)

A través de nuestros servicios como TCC (Training & Certification Center) y ASC (Academy Support Center) nos ponemos a disposición de las instituciones académicas para acceder a este programa en las mejores condiciones, adaptándonos a sus necesidades y realidades.

Servicios de Formación

Dirigidos a la comunidad educativa global (staff técnico, docentes, alumnos y exalumnos)

+ Info

Servicios de certificación

Dirigidos a la comunidad educativa global (staff técnico, docentes, alumnos y exalumnos)

+ Info

Centros oficiales

PUE Academy ayuda a las instituciones educativas a convertirse en centros oficiales de formación y certificación de las organizaciones tecnológicas con más reconocimiento mundial.

+ Info

Soporte

Para la correcta implementación de las iniciativas Academy a las que se les dará acceso.

+ Info

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Learn

,15 +227,20 @@ header {
&_modal-title {
margin: 0 10px 0 0 !important;
min-height: 20px;
max-width: 80% !important;
max-height: 80px;
flex-wrap: wrap;
}
&_modal-body {
padding: 0px;
padding: 20px;
border-top: 1px solid #eee;
border-bottom: 1px solid #eee;
p {
text-align: justify;
text-indent: 20px;
}
}

Practice

Certify

Training & Certification Center

Formación oficial como garantía de calidad

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Training & Certification Center

Formación oficial como garantía de calidad

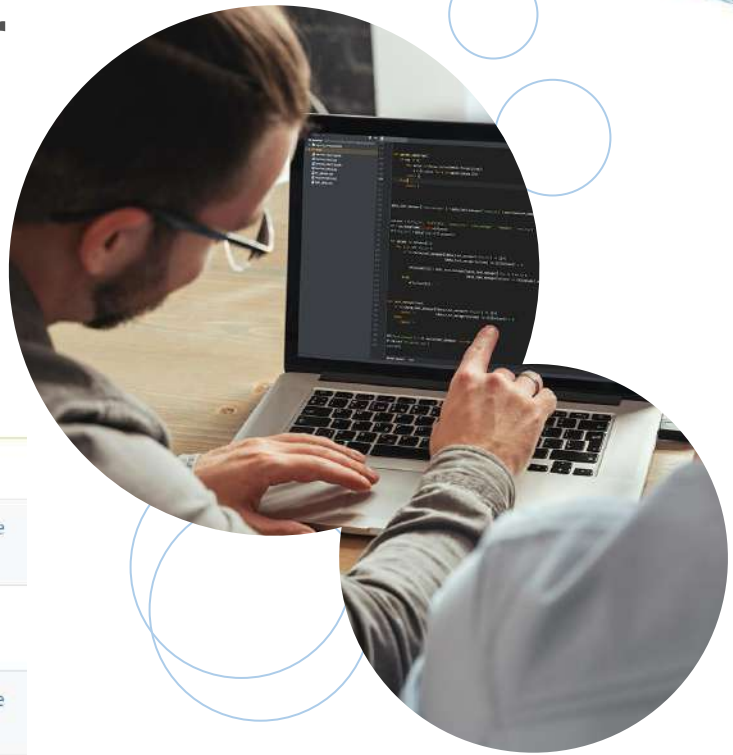
Unity CERTIFIED User Programmer

Unity CERTIFIED User Artist

30% EN TODOS NUESTROS CURSOS OFICIALES

Certificación oficial incluida para nuestro colectivo PUE Alumni

+ Plazas de formación incluidas en la suscripción



PRÓXIMAS CONVOCATORIAS

21 may 2024 25 jun 2024	CONFIRMADO	Unity Certified User - Introducción a la programación de videojuegos con Unity - Online 70 horas | ~~525,00 €~~ 367,50 € | Online | Español | Self-study
21 may 2024 25 jun 2024	CONFIRMADO	Unity Certified User Artist - Online 70 horas | ~~525,00 €~~ 367,50 € | Online | Español | Self-study
22 oct 2024 26 nov 2024	CONFIRMADO	Unity Certified User - Introducción a la programación de videojuegos con Unity - Online 70 horas | ~~525,00 €~~ 367,50 € | Online | Español | Self-study
22 oct 2024 26 nov 2024	CONFIRMADO	Unity Certified User Artist - Online 70 horas | ~~525,00 €~~ 367,50 € | Online | Español | Self-study

www.pue.es/pue-academy/cursos

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Networking Academy

Linux Professional Institute

EC-Council

Scrum Manager®

docker

kubernetes

ORACLE

Unity®

Python INSTITUTE PI

Project Management Institute.

vmware IT ACADEMY

COMMUNICATION SKILLS FOR BUSINESS

Training & Certification Center

Formación oficial como garantía de calidad

PARA CANDIDATOS

Compra y reserva individual de exámenes

Docentes, alumnos y staff técnico pueden reservar sus exámenes de forma individual y autónoma a través de nuestra **plataforma online** PUE Certification Services, facilitando al máximo el proceso de reserva.

PARA CENTROS

Convertirse en Centro Oficial de Certificación a través de PUE Academy

Los centros interesados en apostar por certificar a sus alumnos, como valor añadido para su futuro y prestigio para el centro, tienen la posibilidad de acreditarse como **Certiport Authorized Test Center (CATC)** mediante PUE Academy.

Acompañamiento en el proceso de certificación

PUE Academy ofrece apoyo y acompañamiento para que los centros certifiquen con éxito a sus alumnos.

Certification Credits

Vouchers de acceso a los exámenes de certificación a consumir según necesidad.

PUE Mobile Certification

Posibilidad de contratar jornadas de certificación en nuestras instalaciones o en las del centro.

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Academy Support Center

- Acceso a plazas de formación para instructores incluidas según tu nivel de suscripción.
- Posibilidad de convertirse en Centro Certificador Autorizado.
- Certificación y Practice Tests de Unity Certified User **ilimitados.**
- Soporte de PUE Academy como ASC para la correcta implementación del programa.

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PUE Academy Award 2023

Mejor centro certificador Unity

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LEARN · PRACTICE · CERTIFY
reconoce a
CPIFP Alan Turing
como
Mejor centro certificador Unity
Año 2023
Unity®

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¡Gracias!

Contáctanos. Estamos para ayudarte

Sergio Banderas
@sergiflags

pueacademy@pue.es

www.pue.es/pue-academy

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Blog