

UNDERGRADUATE PROGRAMME

Industrial Design and Multimedia Engineering

In response to the present-day company needs, and particularly in their R + D + i Departments, **CESINE** offers a degree course in Industrial Design which provides solid training in new technologies related with Multimedia Design.

This is a new degree course in Spain which aims to cover the gap existing in the field of design and new technologies.

The general objective of the undergraduate programme is to train professionals able to contribute in any of the development phases of a product, from the initial design, to tests and calculation of prototypes, and finally to its commercialization.

The undergraduate programme offers solid training in specific subjects of Industrial Engineering and others related with graphic design and new technology, including design in 2D and 3D, virtual animation and Web Engineering.

At the end of the undergraduate programme, the Engineer in Industrial Design and Multimedia will be able to design and develop innovative products, using digital images and new multimedia technology, and will have a full multidisciplinary training in the digital, virtual and graphic fields.

Career Outlook

Very broad professional positions:

- in automobile sector and industrial firms in general as engineering head.
 - in engineering firms as project director; designer and installer of multimedia projects such as creation of new videogames and/or 3D animation films,
 - in information and multimedia communication systems designer and interactive production design.
- (audiovisuals, CDs and multimedia DVDs, websites); i design studies as a designer. As creative director in printing press, advertising agencies, publishing companies, technical illustration, press, signs and packaging

Learning Method

Besides having a high, rigorous academic level, the practical training the student undergoes is an essential requisite for her professional integration.

Cesine encourages the active participation of the students in their learning and application of the knowledge they have acquired towards dealing and coming up with adequate solutions for real, complex problems as well as developing his decision making skills.

This method is based on developing the intellectual skills and aptitudes by way of reduced groups in active classes. The discussion of practical cases, computer simulations, carrying out work in teams, monographic projects, development of IT applications are included here as well. Not to forget design projects for firms, research projects and studies for institutions and business organizations.

There is a continuous individualized follow-up of the learning process. It measures progress on a daily basis and allows for continuous evaluation of the student so as to assure student success in their studies.

Students also have, among other resources, innovative learning materials which have been developed by a team of expert professionals that helps contribute towards obtaining competitive knowledge and skills in each subject.

Internships in companies

Cesine guarantees that all its students undergo a comprehensive internship program, most are remunerated and carried out in relevant national and international companies, that allow students to complete their studies with around 2500 hours valuable practical experience in firms,

Cesine has signed more than 350 cooperation agreements with some of the most important national and international companies such as:

Banco Santander, La Caixa, Robert Bosch, Nuclenor Aspla, Armando Alvarez, Equipos Nucleares, La Caixa, Bankinter, Solvay, Saint Gobain Pipeline, Endesa, ONO, BSH Home Appliances, Fagor, Edscha, Teka Industrial, Global Steel Wire, Draka Comteq, Hergom Industries, Bridgestone-Firestone and Sidenor are some of the companies where Cesine students have implemented complex software development, or collaborated in other functional areas.

Internships in the best American multinational companies.

The students have the opportunity to deepen their international training by joining American multinational companies through the international students program at American University. This is the most comprehensive internship platform, both in the private and public sectors, of all existing U.S. programs. This program includes companies and organizations such as Microsoft, Bell Aerospace, Oracle Corporation, U.S. Airways, the US Chamber of Commerce, Deloitte & Touche, American Commerce, World Bank, Treasury Department, Intelsat, International Monetary Fund.

80% of the students end up being hired by those companies where they carried out their internships.

Учебная программа

1-й курс

Основы инженерной математики I
Видеоигры
Введение в программирование
Графическое выражение
Коммуникационные навыки
Основы инженерной математики II
Веб-программирование

Введение в программирование II
Видеоигр дизайн и мультимедиа
Деловой английский язык I
Компьютерный дизайн

2-й курс

Художественное выражение
Основы графического дизайна
Электронные и электротехнические технологии
Механические системы I
Материалы
Эстетика и промышленный дизайн
Основы графического дизайна II
Цифровые изображения
Механические системы II
Материалы II
Моделирование видеоигр
Деловой английский язык II
3D дизайн и анимация

3-й курс

Дизайн
Веб-дизайн
Промышленные процессы
Шкала моделирования и дизайн
Бизнес дизайн и экономические аспекты (на двух языках)
Модели и прототипы
Промышленные процессы II

Шкала моделирования
Электронная коммерция (на двух языках)
Расширенные анимации и виртуальное проектирование
4-й курс
Экодизайн (на двух языках)
Реклама и маркетинг
Эргономика и упаковка (на двух языках)
Фирменный стиль
Конец исследований проекта
Многопрофильное назначение
Стажировка (обязательно)

Industrial Design and Multimedia Engineering consists of 240 ECTS

Bachelor Honours Degree in Industrial Design and Multimedia Engineering de la Universidad de Gales.

Authorized learning by the Education Council of the Regional Government of Cantabria by way of resolution dated 14th October, 2003.

Cesine complies with all the requirements when validating the degree at the Ministry of Education.

This degree also allows for access to official master programmes and doctorates in Spain, according to the R.D. 1393/2007, which covers the establishment of official university programmes.

Enrolment Fees

	Industrial Design and Multimedia Engineering (in-class model)	
Annual Registration	1,200 €	
Academic course amount, October to June	4,800 €	

Once having passed the Admission tests and having been accepted the student, in order to reserve a seat, must pay the entire amount of the annual registration and the 2 quarters.