

Pla d'estudis Grau en Enginyeria Mecànica

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|---------------------------|--------------------------------|
| Branca de coneixement: | Enginyeria i Arquitectura |
| Departament Tecnologia | |
| Data de verificació: | 7/10/2014 |
| Publicació BOE: | BOE 15/07/2015 |
| Publicació Pla d'Estudis: | BOE 27/12/2016 |

| Codi | PRIMER CURS | Trimestre | Tipus | Cr. ECTS |
|--------------|-----------------------------------|-------------|-------|-------------|
| 101111 | Matemàtiques I | 1r | FB | 6,0 |
| 101112 | Física I | 1r | FB | 6,0 |
| 101113 | Química | 1r | FB | 6,0 |
| 101121 | Matemàtiques II | 2n | FB | 6,0 |
| 101122 | Física II | 2n | FB | 6,0 |
| 101123 | Fonaments d'Informàtica | 2n | FB | 6,0 |
| 101101 | Expressió Gràfica | 1r, 2n i 3r | FB | 6,0 |
| 101131 | Sistemes Elèctrics | 3r | OB | 6,0 |
| 101132 | Ciència de Materials | 3r | OB | 6,0 |
| 101133 | Administració i Gestió d'Empreses | 3r | FB | 6,0 |
| Total | | | | 60,0 |

| Codi | SEGON CURS | Trimestre | Tipus | Cr. ECTS |
|--------------|---|-----------|-------|-------------|
| 101211 | Emprenedoria i Innovació | 1r | OB | 4,0 |
| 101212 | Matemàtiques III | 1r | FB | 6,0 |
| 101213 | Sistemes Mecànics | 1r | OB | 6,0 |
| 101214 | Electrònica Bàsica | 1r | OB | 4,0 |
| 101221 | Organització de la Producció | 2n | OB | 6,0 |
| 101222 | Electrònica Digital I | 2n | OB | 4,0 |
| 101223 | Introducció a la Resistència de Materials | 2n | OB | 4,0 |
| 101224 | Termodinàmica i Mecànica de Fluids | 2n | OB | 6,0 |
| 101231 | Estadística | 3r | FB | 6,0 |
| 101232 | Control Industrial | 3r | OB | 4,0 |
| 101233 | Automatització I | 3r | OB | 4,0 |
| 101234 | Anglès | 3r | OB | 6,0 |
| Total | | | | 60,0 |

| Codi | TERCER CURS | Trimestre | Tipus | Cr. ECTS |
|--------------|--|-----------|-------|-------------|
| 102311 | Enginyeria Tèrmica | 1r | OB | 6,0 |
| 102312 | Màquines i Mecanismes I | 1r | OB | 4,0 |
| 102313 | Elasticitat i Resistència dels Materials | 1r | OB | 6,0 |
| 102314 | Metrologia i Control de Qualitat | 1r | OB | 4,0 |
| 102321 | Enginyeria de Fluids | 2n | OB | 6,0 |
| 102322 | Màquines i Mecanismes II | 2n | OB | 4,0 |
| 101323 | Sostenibilitat | 2n | OB | 6,0 |
| 102324 | Enginyeria de Materials | 2n | OB | 4,0 |
| 102331 | Modelització i Simulació | 3r | OB | 6,0 |
| 102332 | Disseny de Màquines | 3r | OB | 6,0 |
| 101333 | Gestió de Projectes I | 3r | OB | 4,0 |
| 102334 | Processos de Conformació | 3r | OB | 4,0 |
| Total | | | | 60,0 |

| Codi | QUART CURS | Trimestre | Tipus | Cr. ECTS |
|--------------|---|-------------|-------|-------------|
| 102411 | Estructures i Construccions Industrials | 1r | OB | 6,0 |
| 102412 | Validació i Assaig de Màquines | 1r | OB | 6,0 |
| 101421 | Gestió de Projectes II | 2n | OB | 4,0 |
| * | Optatives | 1r, 2n i 3r | OPT | 28,0 |
| 102401 | Treball de Fi de Grau | 2n i 3r | TFG | 16,0 |
| Total | | | | 60,0 |

| Distribució en crèdits ECTS | |
|-----------------------------|--------------|
| Formació Bàsica (FB) | 60,0 |
| Obligatòries (OB) | 136,0 |
| Optatives (OPT) | 28,0 |
| Treball Fi de Grau (TFG) | 16,0 |
| TOTAL crèdits ECTS | 240,0 |

Plan de estudio Grado en Ingeniería Mecánica

Rama de conocimiento: Ingeniería y Arquitectura
 Departamento Tecnología
 Fecha de verificación: 7/10/2014
 Publicación BOE: [BOE 15/07/2015](#)
 Publicación Plan de Estudios: [BOE 27/12/2016](#)

| Codigo | PRIMER CURSO | Trimestre | Tipo | Cr. ECTS |
|--------------|--------------------------------------|-------------|------|-------------|
| 101111 | Matemáticas I | 1º | FB | 6,0 |
| 101112 | Física I | 1º | FB | 6,0 |
| 101113 | Química | 1º | FB | 6,0 |
| 101121 | Matemáticas II | 2º | FB | 6,0 |
| 101122 | Física II | 2º | FB | 6,0 |
| 101123 | Fundamentos de Informática | 2º | FB | 6,0 |
| 101101 | Expresión Gráfica | 1º, 2º y 3º | FB | 6,0 |
| 101131 | Sistemas Eléctricos | 3º | OB | 6,0 |
| 101132 | Ciencia de Materiales | 3º | OB | 6,0 |
| 101133 | Administración y Gestión de Empresas | 3º | FB | 6,0 |
| Total | | | | 60,0 |

| Codigo | SEGUNDO CURSO | Trimestre | Tipo | Cr. ECTS |
|--------------|---|-----------|------|-------------|
| 101211 | Emprendeduría e Innovación | 1º | OB | 4,0 |
| 101212 | Matemáticas III | 1º | FB | 6,0 |
| 101213 | Sistemas Mecánicos | 1º | OB | 6,0 |
| 101214 | Electrónica Básica | 1º | OB | 4,0 |
| 101221 | Organización de la Producción | 2º | OB | 6,0 |
| 101222 | Electrónica Digital I | 2º | OB | 4,0 |
| 101223 | Introducción a la Resistencia de Materiales | 2º | OB | 4,0 |
| 101224 | Termodinámica y Mecánica de Fluidos | 2º | OB | 6,0 |
| 101231 | Estadística | 3º | FB | 6,0 |
| 101232 | Control Industrial | 3º | OB | 4,0 |
| 101233 | Automatización I | 3º | OB | 4,0 |
| 101234 | Inglés | 3º | OB | 6,0 |
| Total | | | | 60,0 |

| Codigo | TERCER CURSO | Trimestre | Tipo | Cr. ECTS |
|--------------|---|-----------|------|-------------|
| 102311 | Ingeniería Térmica | 1º | OB | 6,0 |
| 102312 | Máquinas y Mecanismos I | 1º | OB | 4,0 |
| 102313 | Elasticidad y Resistencia de los Materiales | 1º | OB | 6,0 |
| 102314 | Metrología y Control de Calidad | 1º | OB | 4,0 |
| 102321 | Ingeniería de Fluidos | 2º | OB | 6,0 |
| 102322 | Máquinas y Mecanismos II | 2º | OB | 4,0 |
| 101323 | Sostenibilidad | 2º | OB | 6,0 |
| 102324 | Ingeniería de Materiales | 2º | OB | 4,0 |
| 102331 | Modelización y Simulación | 3º | OB | 6,0 |
| 102332 | Diseño de Máquinas | 3º | OB | 6,0 |
| 101333 | Gestión de Proyectos I | 3º | OB | 4,0 |
| 102334 | Procesos de Conformación | 3º | OB | 4,0 |
| Total | | | | 60,0 |

| Codigo | QUART CURSO | Trimestre | Tipo | Cr. ECTS |
|--------------|--|-------------|------|-------------|
| 102411 | Estructuras y Construcciones Industria | 1º | OB | 6,0 |
| 102412 | Validación y Ensayo de Máquinas | 1º | OB | 6,0 |
| 101421 | Gestión de Proyectos II | 2º | OB | 4,0 |
| * | Optativas | 1º, 2º y 3º | OPT | 28,0 |
| 102401 | Trabajo fin de Grado | 2º y 3º | TFG | 16,0 |
| Total | | | | 60,0 |

| Distribución en créditos ECTS | |
|-------------------------------|--------------|
| Formación Básica (FB) | 60,0 |
| Obligatorias (OB) | 136,0 |
| Optativas (OPT) | 28,0 |
| Trabajo Fin de Grado (TFG) | 16,0 |
| TOTAL créditos ECTS | 240,0 |

* Consulta las optativas para cada año académico

Bachelor's Degree in Mechanical Engineering

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|--|--------------------------------|
| Knowledge Branch: | Engineering and Architecture |
| Department of Technology | |
| Verification Date: | 7/10/2014 |
| Publication in Official Gazette (BOE): | BOE 15/07/2015 |
| Publication of Study Plan: | BOE 27/12/2016 |

| Code | FIRST YEAR | Trimester | Type | Cr. ECTS |
|--------------|--|----------------|------|-----------|
| 101111 | Mathematics | 1st | FB | 6 |
| 101112 | Physics I | 1st | FB | 6 |
| 101113 | Chemistry | 1st | FB | 6 |
| 101121 | Mathematics II | 2nd | FB | 6 |
| 101122 | Physics II | 2nd | FB | 6 |
| 101123 | Fundamentals of Informatics | 2nd | FB | 6 |
| 101101 | Technical Drawing | 1st, 2nd i 3rd | FB | 6 |
| 101131 | Electrical Systems | 3rd | OB | 6 |
| 101132 | Materials Science | 3rd | OB | 6 |
| 101133 | Business Administration and Management | 3rd | FB | 6 |
| Total | | | | 60 |

| Code | SECOND YEAR | Trimester | Type | Cr. ECTS |
|--------------|---------------------------------------|-----------|------|-----------|
| 101211 | Entrepreneurship and Innovation | 1st | OB | 4 |
| 101212 | Mathematics III | 1st | FB | 6 |
| 101213 | Mechanical Systems | 1st | OB | 6 |
| 101214 | Basic electronics | 1st | OB | 4 |
| 101221 | Production Organisation | 2nd | OB | 6 |
| 101222 | Digital Electronics I | 2nd | OB | 4 |
| 101223 | Introduction to Strength of Materials | 2nd | OB | 4 |
| 101224 | Thermodynamics and Fluid Mechanics | 2nd | OB | 6 |
| 101231 | Statistics | 3rd | FB | 6 |
| 101232 | Industrial Control | 3rd | OB | 4 |
| 101233 | Automation I | 3rd | OB | 4 |
| 101234 | English | 3rd | OB | 6 |
| Total | | | | 60 |

| Code | THIRD YEAR | Trimester | Type | Cr. ECTS |
|--------------|--------------------------------------|-----------|------|-----------|
| 102311 | Thermal Engineering | 1st | OB | 6 |
| 102312 | Machines and Mechanisms I | 1st | OB | 4 |
| 102313 | Elasticity and Strength of Materials | 1st | OB | 6 |
| 102314 | Metrology and Quality Control | 1st | OB | 4 |
| 102321 | Fluid Engineering | 2nd | OB | 6 |
| 102322 | Machines and Mechanisms II | 2nd | OB | 4 |
| 101323 | Sustainability | 2nd | OB | 6 |
| 102324 | Materials Engineering | 2nd | OB | 4 |
| 102331 | Modelling and Simulation | 3rd | OB | 6 |
| 102332 | Machine Design | 3rd | OB | 6 |
| 101333 | Project Management I | 3rd | OB | 4 |
| 102334 | Forming Processes | 3rd | OB | 4 |
| Total | | | | 60 |

| Code | FOURTH YEAR | Trimester | Type | Cr. ECTS |
|--------------|---|----------------|------|-----------|
| 102411 | Industrial Structures and Constructions | 1st | OB | 6 |
| 102412 | Machine Validation and Testing | 1st | OB | 6 |
| 101421 | Project Management II | 2nd | OB | 4 |
| * | Optative | 1st, 2nd i 3rd | OPT | 28 |
| 102401 | Bachelors Thesis | 2nd i 3rd | TFG | 16 |
| Total | | | | 60 |

| Summary table of credits ECTS | |
|-------------------------------|------------|
| Basic Training (FB) | 60 |
| Obligatory (OB) | 136 |
| Optative (OPT) | 28 |
| Final Project (TFG) | 16 |
| TOTAL ECTS credits | 240 |

* Check the elective courses for each academic year