

Label	EURO-INF
Higher Education Institution	<i>University of Oviedo</i>
Country	<i>Spain</i>
State/Province	<i>Asturias</i>
Name of the Programme	<i>Master in Web Engineering</i>
Degree Awarded	<i>Meng</i>
Qualification Level	<i>Second Cycle</i>
Programme Objectives; Profile	<p><i>Master in Web Engineering is a postgraduate program intended to train specialist engineers in Web Technologies.</i></p> <p><i>The master students will acquire a specialized profile in Web Engineering with a solid foundation in Computer Engineering competences so they will have the necessary skills for decision taking in enterprise scopes in the increasingly dynamic and complex environment of the Web.</i></p> <p><i>The master in Web Engineering will enable the students to continue with their Doctoral studies in the Computer Engineering domain, so they could develop their PhD.</i></p> <p><i>A PhD in Computer Science is a very demanded profile given the scarcity of this kind of professionals for the R&D departments.</i></p>
Programme Duration	<i>4 semesters</i>
Total Number of ECTS Credits Awarded	<i>120 ECTS</i>
Brief Description of the Programme	<p><i>The master consists of 120 ECTS. The design has two specializations: research and professional. The design has the following modules:</i></p> <p><i>Basic subjects (20.5 ECTS), Mandatory (56.5 ECTS), Professional (21 ECTS), research (21 ECTS), Master's thesis (22 ECTS).</i></p> <p><i>The list of courses is the following:</i></p> <p><i>1st year, 1st semester. Basic module:</i></p> <p><i>Operating systems administration (3 ECTS)</i></p> <p><i>Web Languages and standards (3 ECTS)</i></p> <p><i>Object Oriented Programming (5 ECTS)</i></p> <p><i>User Interfaces programming and design (3 ECTS)</i></p> <p><i>Object Oriented Analysis and design (3.5 ECTS), Persistence systems (3 ECTS)</i></p> <p><i>Mandatory module</i></p> <p><i>Web sites usability, accessibility and adaptability (3 ECTS), Web sites design and architecture (6,5 ECTS)</i></p>

	<p>2nd semester</p> <p>Mandatory module</p> <p>Content management systems (3 ECTS), web services (5 ECTS), Persistence systems administration (3 ECTS), Web systems security (3 ECTS), Business models and e-commerce (3 ECTS), Legal and ethical aspects (3 ECTS), Multimedia Web content (3 ECTS), Software development for Mobile devices (3 ECTS)</p> <p>Professional module</p> <p>Semantic web (4 ECTS)</p> <p>Research module</p> <p>Advances in semantic web (4 ECTS)</p> <p>2nd year, 1st semester</p> <p>Mandatory module</p> <p>Geographical Information Systems (3 ECTS)</p> <p>Web servers administration (3 ECTS)</p> <p>Internet application development and integration (3 ECTS)</p> <p>Web project management (12 ECTS)</p> <p>Professional</p> <p>Language processing software architectures (4 ECTS)</p> <p>Modeling Adaptable Software Model Driven Web (3 ECTS)</p> <p>New trends and standards in the Web (4 ECTS)</p> <p>Research</p> <p>Programming platforms and languages (5,5 ECTS)</p> <p>MDA design and development (3 ECTS)</p> <p>2nd semester</p> <p>Professional</p> <p>External practices (6 ECTS)</p> <p>Research</p> <p>Elearning Systems and architecture (4 ECTS)</p> <p>Web Information architecture (4,5 ECTS)</p> <p>Final module</p> <p>Master's thesis (22 ECTS)</p> <p>Further information: http://miw.uniovi.es/</p>
Examples of Very Good Practice	<i>(Where applicable)</i>
Accredited without / with Adjustment Requirements	<i>EURO-INF</i>
Adjustment Requirements	<i>(Where applicable)</i>
Accredited by	ANECA-EQANIE
Accredited	<i>(From November 2016 to November 2019)</i>