71 km (44 mi) Saragossa, 380 km (236 mi) Madrid / 273 km (169 mi) Barcelona / 387 km (240 mi) Valencia
351 km (218 mi) Bilbao / 160 km (99 mi) Pamplona / 118 km (73 mi) Lleida / 888 km (mi) Santiago
914 km (568 mi) Seville / 903 km (561 mi) Malaga / 794 km (493 mi) Granada / 90 km (56 mi) Pyrenees

Huesca geographical coordinates
42° 08´ N, 0° 24´ W

UNIVERSITY OF ZARAGOZA
Campus Zaragoza
Campus Huesca
Campus Teruel
Campus La Almunia
Campus Jaca

Iberians (Bolskan). Mint - coins - horseman

Romans, 179 b.C. (Osca). Quintus Sertorius (c.123-72 BC) - academy - University Sertoriana (first Spanish university which remained open until 1845)

Visigoths, 476.

Muslims, 719 (Wasqa). City walls, still preserved - old quarter.

Christian and Aragon Uesca, 1096 conquered by Pedro I of Aragon.

15th century (Castilian, Huesca)

1354, King Pedro IV of Aragon founded the University of Huesca (theology) the end of the 16th century was eclipsed by the University of Zaragoza (1845: abolished).
Huesca. THE CITY

modern – traditional – comfortable – affordable – safe

- Mediterranean climate (continental characteristics)
  - 480 mm (18.9 inches) rain/year (1981-2010)
  - 2732 sunshine hours (1981-2010)
  - Average low 1,4 °C (34,5 °F) (January)
  - Average high 31,6 °C (108,7 °F) (July) (1981-2010)

- Altitude: 488 m (1 601 ft) above sea level

- Population:  52 671 (2016)

- Municipal area: 161 km² (62,16 mi²)

- Friendly PEOPLE

- Excellent GASTRONOMY

- CULTURE – MONUMENTS – SPORT – LEISURE

- QUALITY of LIFE – STANDARD of LIVING

- Very good TRANSPORT NETWORK

http://www.huesca.es/laciudad/
The emotion of LIVELY NATURE, and much more...

Huesca is the vital center of a privileged county. From the subdesert areas of “Los Monegros” up to the peaks of the Pyrenees, Huesca offers visitors an excellent combination of peaceful and more active stay.

unique places – urban buildings – nearby villages – artistic and natural heritage

http://www.dphuesca.es
http://zaragozaturismo.dpz.es/index.asp?Idioma=eg

http://www.turismodezaragoza.es/
http://www.turismodearagon.com/en
http://turismo.hoyadehuesca.es/en
http://www.urpirineos.es/
Uncastillo (Saragossa)
Sos del Rey Católico (Saragossa)
Alquézar (Huesca)
Skiing
San Juan de la Peña (Huesca)
Rafting
Hiking, trekking
Ibon de Vallimuerta, Benasque Valley
Monte Perdido (Huesca)
Basilica–Cathedral of Our Lady of the Pillar and Ebro River (Saragossa)
Miguel Servet (1509 or 1511 – 1553)
Theologian, physician, cartographer, and Renaissance humanist.

Ignacio Jordán de Asso (1742 – 1814)
Spanish diplomat, naturalist, lawyer and historian.

Francisco de Goya (1746 – 1828)
Romantic painter and printmaker.

Santiago Ramón y Cajal (1852 – 1934)
Pathologist, histologist, neuroscientist, and Nobel laureate (1906).

María Moliner (1900 – 1981)
University of Zaragoza (UZ)

- Founded in 1542
- **35 000 students** [29 611 degree / 1 388 master / 2 499 doctorate / 1 570 other programs]
- **4 000 professors-researchers / 1 800 administration and service staff**
- **Courses**: 54 undergraduate degrees (European Higher Education Area - EHEA) / 55 masters / 43 PhD programs / 94 other programs
- **Centers and research**: 18 own centers / 5 affiliated centers / 1 doctoral school / 56 departments / 15 research centers and institutes / 214 research groups (2 804 researchers)
- **Library**: 1 000 000+ volumes (books, journals, etc.), 20 000+ electronic journals, 100+ data bases, etc.
- **Budget** of 246,2 millions of euros (2016)

<table>
<thead>
<tr>
<th>Field</th>
<th>World Range</th>
<th>Spain Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSIDAD DE ZARAGOZA</td>
<td>501-600</td>
<td>13</td>
</tr>
<tr>
<td>Natural Sciences and Mathematics</td>
<td>151-200</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>151-200</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>151-200</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>401-500</td>
<td></td>
</tr>
<tr>
<td>Environmental Science and Engineering</td>
<td>401-500</td>
<td></td>
</tr>
<tr>
<td>Food Science and Technology</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Life Science</td>
<td>201-300</td>
<td></td>
</tr>
<tr>
<td>Agriculture Sciences</td>
<td>201-300</td>
<td></td>
</tr>
</tbody>
</table>

QS WORLD UNIVERSITY RANKINGS

<table>
<thead>
<tr>
<th>Field</th>
<th>World Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSIDAD DE ZARAGOZA</td>
<td>461-470</td>
</tr>
</tbody>
</table>

- Arts and Humanities
  - English Language & Literature: 201-250
  - Modern Languages: 201-250
- Engineering and Technology
  - Chemical engineering: 251-300
  - Electrical engineering: 351-400
  - Mechanical engineering: 301-350
- Life Sciences and Medicine
  - Agriculture & Forestry: 101-150
  - Biological Science: 451-500
  - Medicine: 451-500
- Natural Sciences
  - Chemistry: 251-300
  - Mathematics: 351-400
  - Physics & Astronomy: 401-450
- Social Sciences and Management
  - Law: 251-300
  - Economics: 351-400


25,000 World universities (550 – 2.2% TOTAL)
77 Spanish universities (13 – 16.9% TOTAL)

http://www.topuniversities.com/university-rankings
Universidades, campus y centros. Dispersión geográfica

Número de universidades, campus y sedes universitarios. Curso 2015-2016

¡Total Universidades\(^1\): 84 (50)

Total Campus/sedes: 343 (274)
Nº Campus: 234 (170)
Nº Sedes\(^2\): 113 (108)

Número de universidades por habitante \(^5\):
Universidades por millón de habitantes: 1,81
Universidades por millón de habitantes 18-24 años: 26,47

---

\(^1\) U: Número de universidades. C. Número de campus de universidades presenciales. S. Número de sedes de universidades no presenciales y especiales.

\(^2\) Entre paréntesis se recoge el número de universidades públicas y el número de campus y sedes en universidades públicas.

\(^3\) En el curso 2015-2016 las universidades de titularidad privada Tecnología y Empresa (Madrid) e Internacional de Canarias (Canarias) no tienen actividad académica.

\(^4\) En la UNED existen 4 sedes en el extranjero y en la UIMP 8, incluidas en el total. La UNIA utiliza como sedes 4 campus de otras universidades.

\(^5\) Fuente: Cifras de población a 1 de enero de 2015. INE

Fuente: Estadística de Universidades, Centros y Titulaciones. Sistema Integrado de Información Universitaria (SIUI).

INTERNATIONALIZATION: a guarantee of quality

- 1,700 bilateral agreements with institutions all over the world
  (34 European countries, the United States, Canada, Australia, Latin America, Asia, and Africa)

- Top-ranking Spanish universities in terms of international annual student exchanges:
  - 1,000 outgoing students / year
  - 3.7% international incoming exchange students / year

- 150 professors from UZ carry out educational visits in other European countries / year

... and the trend is growing!

<table>
<thead>
<tr>
<th>Students 2016-17</th>
<th>Europe</th>
<th>North America-Oceania</th>
<th>Latin America</th>
<th>Cooperation</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN</td>
<td>705</td>
<td>31</td>
<td>157</td>
<td>21</td>
<td>914</td>
</tr>
<tr>
<td>OUT</td>
<td>1008</td>
<td>14</td>
<td>45</td>
<td>41</td>
<td>1108</td>
</tr>
</tbody>
</table>

http://wzar.unizar.es/servicios/inter/estadisticas/estadisticas.html
International mobility and cooperation programs

- The European Commission’s Lifelong Learning Program, which includes the sub-programs: Erasmus studies, Erasmus work placements, Intensive programs, Teacher mobility, Mobility for training, Preparatory visits and the Leonardo Program.
- Mobility Americampus (Latin-American universities).
- Mobility CRUE-Santander-University of Zaragoza.
- Mobility University of Zaragoza to universities in North America, Oceania or Asia.
- Mobility University of Zaragoza-China.
- University of Zaragoza scholarships for development cooperation.
- University of Zaragoza-Santander and University of Zaragoza-Carolina Foundation scholarships, for postgraduate studies.
- Mobility MAEC-AECID scholarships, for post-graduate studies.
- Scholarships from the Latin America University Association of Graduate Studies (AUIP).

- European Union’s ALFA and TEMPUS programs.
- Interuniversity Cooperation Program (PCI) of the Spanish Agency for Development Cooperation.
- Government of Aragón Development Cooperation.
UZ. ERASMUS by country (2016-17)

outgoing

Estudiantes Erasmus de la UZ por País de Destino. Curso 2016-2017

incoming

Estudiantes Erasmus Extranjeros por país de Origen. Curso 2016-2017

http://wzar.unizar.es/servicios/inter/estadisticas/estadisticas.html
Campus of Huesca. FACULTIES AND COLLEGES

Facultades y Escuelas
- Colegio Mayor Universitario "Ramón Acín"
- Facultad De Empresa Y Gestión Pública
- Facultad de Ciencias Humanas y de la Educación
- Facultad De Ciencias De La Salud Y Del Dep.
- Servicio de Prácticas Odontológicas de la U...
- Escuela universitaria de enfermería
- Escuela Politécnica Superior Huesca - Univ...
- Laboratorio Universidad de Zaragoza - Edifi...
- Oficina de Transferencia de Resultados de I...
- Pabellón Río Isuela
- Vicerrectorado Campus de Huesca

4 000 students
- humanities
- medicine and health-related areas
- economics
- sciences
- engineering

https://campushuesca.unizar.es/
Campus of Huesca. STUDENT LIFE

- **SPORTS**: soccer, basketball, handball, rugby, running, tennis, etc.

- **MOUNTAIN ACTIVITIES**: hiking, mountain cycling, canyoning, skiing, climbing, etc.

- **CULTURE**: cinema, music, theater, exhibitions, contests, literature, conferences, courses, etc.

- **ESN** (Activities for foreign students)

[Links]
- [Campus of Huesca](https://campushuesca.unizar.es/cultura)
- [Campus of Huesca](https://campushuesca.unizar.es/actividades-e-instalaciones-deportivas)
- [Campus of Huesca](https://campushuesca.unizar.es/agenda-universitaria-campus-de-huesca)
UZ. STUDIES EUROPEAN ACADEMIC FRAME

towards the european higher education area
bologna process

Espacio
European
European
Higher
Education
Area

240 ECTS
BACHELOR (GRADO)

60-120 ECTS
MASTER

DOCTORATE

http://www.ehea.info/
Campus of Huesca. STUDY PROGRAMS

- **Technological College of Huesca**
  - Degree in Rural and Agri-Food Engineering
  - Degree in Environmental Sciences
  - Master in Agricultural Engineering
  - Doctorate in Agricultural Sciences and Natural Environment (Doctoral School of UZ)

- **Faculty of Health and Sport Sciences**
  - Degree in Human Nutrition and Dietetics
  - Degree in Physical Activity and Sport Science
  - Degree in Odontology
  - Degree in Medicine
  - Master in Evaluation and Physical Training for Health

- **Faculty of Humanities and Education Sciences**
  - Degree in Primary School Education
  - Degree in Nursery School Education
  - Master in Advanced Studies in Language, Communication and its Pathologies
  - Master in Teacher for Mandatory Secondary Education, Baccalaureate, Vocational Training and Languages, Arts and Sports Education

- **Faculty of Business and Public Management**
  - Degree in Business Administration and Management
  - Degree in Public Management and Administration
  - Master in Tourism Management and Planning

- **University School of Nursing Huesca (affiliated center)**
  - Nursing degree
HUESCA

- 40’ from SARAGOSSA
- 2 ¼ h from MADRID
- 3 h from BARCELONA
- 5 h from VALENCIA
- 5-6 h from SEVILLE
- 5-6 h from MALAGA
- 5-7 h from ALICANTE
  (by HIGH-SPEED TRAIN)

EPS is located 3 km (1.9 mi) from the city center of Huesca

ZARAGOZA

EUSCA

EPS is just 71 km (44 mi) from the city of Zaragoza

EPS. FIND US

http://eps.unizar.es/comollegar
EPS. PEOPLE

600 students
85 professors-researchers
36 administration and service staff
EPS. STUDY PROGRAMS

DEGREE STUDIES
- Degree in Rural and Agri-Food Engineering
- Degree in Environmental Sciences

MASTER
- Master in Agricultural Engineering

PRIVATE STUDIES
- Private Master Degree in Sustainable Water Management
- University Expert in Integrated Management of Agricultural Pests

DOCTORATE
- Doctorate in Agricultural Sciences and Natural Environment (Doctoral School of UZ)
Degree in Rural and Agri-Food Engineering

<table>
<thead>
<tr>
<th>SPECIALTY</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Agricultural and Livestock Farming</td>
<td></td>
</tr>
<tr>
<td>• Agricultural and Food Industries</td>
<td></td>
</tr>
<tr>
<td>• Horticulture, Fruit-farming and Gardening</td>
<td></td>
</tr>
<tr>
<td>Basic subjects</td>
<td>72</td>
</tr>
<tr>
<td>General compulsory subjects</td>
<td>74</td>
</tr>
<tr>
<td>Specific compulsory subjects to each specialty</td>
<td>60</td>
</tr>
<tr>
<td>Electives</td>
<td>22</td>
</tr>
<tr>
<td>Undergraduate dissertation</td>
<td>12</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>240</td>
</tr>
</tbody>
</table>
## Degree in Rural and Agri-Food Engineering

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
</tr>
</thead>
<tbody>
<tr>
<td>28900 Mathematics I</td>
<td>28910 Statistics</td>
</tr>
<tr>
<td>28901 Physics I</td>
<td>28911 Botany</td>
</tr>
<tr>
<td>28902 Chemistry I</td>
<td>28912 Animal Science I</td>
</tr>
<tr>
<td>28903 Computer science</td>
<td>28913 Engines and Machines</td>
</tr>
<tr>
<td>28904 Geology, Soil science and Climatology</td>
<td>28914 Topography, Cartography and Photogrammetry</td>
</tr>
<tr>
<td>28905 Mathematics II</td>
<td>28915 Fundamentals of business administration</td>
</tr>
<tr>
<td>28906 Physics II</td>
<td>28916 Plant Science / Plant production</td>
</tr>
<tr>
<td>28907 Chemistry II</td>
<td>28917 Ecology and management of agro-industrial byproducts</td>
</tr>
<tr>
<td>28908 Graphic Expression</td>
<td>28918 Strength of materials and structural analysis</td>
</tr>
<tr>
<td>28909 Biology</td>
<td>28919 Electrical engineering and rural electrification</td>
</tr>
<tr>
<td><strong>Third year</strong></td>
<td><strong>Elective courses</strong></td>
</tr>
<tr>
<td>28920 Biotechnology</td>
<td>28955 English for rural and agri-food engineering</td>
</tr>
<tr>
<td>28921 Hidraulics</td>
<td>28956 Agricultural chemical analysis</td>
</tr>
<tr>
<td>28922 Agricultural economics</td>
<td>28957 Post-harvest technology</td>
</tr>
<tr>
<td>28923 Projects</td>
<td>28958 Irrigation networks</td>
</tr>
<tr>
<td></td>
<td>28959 Integrated production and agroecology</td>
</tr>
<tr>
<td></td>
<td>28960 Building installations</td>
</tr>
<tr>
<td></td>
<td>28961 Energy uses of products and waste</td>
</tr>
<tr>
<td></td>
<td>28962 Soil Science</td>
</tr>
</tbody>
</table>

[Link to the degree page](http://eps.unizar.es/en/degree-agrifood)

[Link to the university page](https://estudios.unizar.es/estudio/ver?id=140)
### Specialization Agricultural and Livestock Farming

<table>
<thead>
<tr>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>28924 Animal science II</td>
<td>28942 Ruminant production</td>
</tr>
<tr>
<td>28925 Production of monogastric animals</td>
<td>28943 Plant breeding</td>
</tr>
<tr>
<td>28926 Herbaceous crops</td>
<td>28944 Crop protection</td>
</tr>
<tr>
<td>28927 Fruit growing</td>
<td>28945 Irrigation and drainage systems</td>
</tr>
<tr>
<td>28928 Livestock farming facilities and equipment</td>
<td>28963 Undergraduate dissertation</td>
</tr>
<tr>
<td>28929 Farming: Construction</td>
<td></td>
</tr>
</tbody>
</table>

### Specialization Agricultural and Food Industries

<table>
<thead>
<tr>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>28936 Unit operations I</td>
<td>28950 Agri-food industry: Design and optimisation</td>
</tr>
<tr>
<td>28937 Unit operations II</td>
<td>28951 Processing technologies in the food industry</td>
</tr>
<tr>
<td>28938 Fundamentals of food technology</td>
<td>28952 Utilities and process control</td>
</tr>
<tr>
<td>28939 Quality management for the agri-food industry</td>
<td>28953 Agri-industrial installations</td>
</tr>
<tr>
<td>28940 Biochemical engineering for the agri-food industry</td>
<td>28954 Undergraduate dissertation</td>
</tr>
<tr>
<td>28941 Agri-industrial construction</td>
<td></td>
</tr>
</tbody>
</table>

### Specialization Horticulture, Fruit-farming and Gardening

<table>
<thead>
<tr>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>28930 Horticultural Production</td>
<td>28946 Fruit production II</td>
</tr>
<tr>
<td>28931 Fruit Production I</td>
<td>28947 Sustainable development and the environment</td>
</tr>
<tr>
<td>28932 Plant breeding horticulture</td>
<td>28948 Engineering of green areas</td>
</tr>
<tr>
<td>28933 Protection of fruit and vegetables crops</td>
<td>28949 Gardening and landscaping</td>
</tr>
<tr>
<td>28934 Ornamental crops</td>
<td>28964 Undergraduate dissertation</td>
</tr>
<tr>
<td>28935 Irrigation and drainage systems in horticulture and fruit farming</td>
<td></td>
</tr>
</tbody>
</table>
# Degree in Environmental Sciences

<table>
<thead>
<tr>
<th>First year (New program - 571)</th>
<th>Second year (New program - 571)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25200 Chemical foundations of the environment</td>
<td>25211 Ecology I</td>
</tr>
<tr>
<td>25201 Biology</td>
<td>25253 Society and land</td>
</tr>
<tr>
<td>25202 Introduction to geology for environmental study</td>
<td>25254 Cartography and geographical information systems</td>
</tr>
<tr>
<td>25203 Introduction to mathematics for environmental study</td>
<td>25214 Meteorology and climatology</td>
</tr>
<tr>
<td>25205 Environmental science and sustainability</td>
<td>25209 Statistics</td>
</tr>
<tr>
<td>25206 Physical foundations of the environment</td>
<td>25215 Ecology II</td>
</tr>
<tr>
<td>25208 Soil science</td>
<td>25255 Key analysis in the environment</td>
</tr>
<tr>
<td>25250 Botany</td>
<td>25218 Soil degradation and pollution</td>
</tr>
<tr>
<td>25251 Zoology</td>
<td>25219 Atmospheric pollution</td>
</tr>
<tr>
<td>25210 Foundations of environmental engineering</td>
<td>25204 Applied economics</td>
</tr>
<tr>
<td>25217 Environmental toxicology and public health</td>
<td>25229 Environment management projects and systems</td>
</tr>
<tr>
<td>25220 Natural risks</td>
<td>25230 Environmental impact assessment</td>
</tr>
<tr>
<td>25221 Environmental education</td>
<td>25231 Environmental audit</td>
</tr>
<tr>
<td>25222 Clean technologies. Renewable energies</td>
<td>25232 Undergraduate dissertation</td>
</tr>
<tr>
<td>25223 Agrosilvopastoral systems</td>
<td>25233 Internships</td>
</tr>
<tr>
<td>25224 Water pollution</td>
<td></td>
</tr>
<tr>
<td>25225 Management and conservation of flora and fauna</td>
<td>2529 Environment management projects and systems</td>
</tr>
<tr>
<td>25226 Management, treatment and recovery of waste</td>
<td>25230 Environmental impact assessment</td>
</tr>
<tr>
<td>25227 Regional planning and urbanism</td>
<td>25231 Environmental audit</td>
</tr>
<tr>
<td>25228 Protected areas (no lectures)</td>
<td>25232 Undergraduate dissertation</td>
</tr>
<tr>
<td><strong>Elective courses</strong></td>
<td></td>
</tr>
<tr>
<td>25234 Scientific and technical documentation</td>
<td>25241 Biotechnology and resource conservation</td>
</tr>
<tr>
<td>25235 Applied and thematic cartography</td>
<td>25242 Bio-geography and geobotany</td>
</tr>
<tr>
<td>25236 Radioactive contamination, acoustic and vibration pollution</td>
<td>25243 Environmental remote sensing and GIS</td>
</tr>
<tr>
<td>25237 Waste application on soil and fertility</td>
<td>25244 Landscape analysis and interpretation</td>
</tr>
<tr>
<td>25238 Analytical technology for the detection of contaminants</td>
<td>25245 Soil and land evaluation</td>
</tr>
<tr>
<td>25239 Accreditation and quality standards in environmental laboratories</td>
<td>25246 Environmental hydrogeology</td>
</tr>
<tr>
<td>25240 Environmental chemistry</td>
<td>25247 Stream ecosystems</td>
</tr>
<tr>
<td></td>
<td>25248 Classified activities</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third year (New program - 571)</th>
<th>Fourth year (Old program - 277)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25210 Foundations of environmental engineering</td>
<td>25229 Environment management projects and systems</td>
</tr>
<tr>
<td>25217 Environmental toxicology and public health</td>
<td>25230 Environmental impact assessment</td>
</tr>
<tr>
<td>25220 Natural risks</td>
<td>25231 Environmental audit</td>
</tr>
<tr>
<td>25221 Environmental education</td>
<td>25232 Undergraduate dissertation</td>
</tr>
<tr>
<td>25222 Clean technologies. Renewable energies</td>
<td>25233 Internships</td>
</tr>
<tr>
<td>25223 Agrosilvopastoral systems</td>
<td></td>
</tr>
<tr>
<td>25224 Water pollution</td>
<td></td>
</tr>
<tr>
<td>25225 Management and conservation of flora and fauna</td>
<td></td>
</tr>
<tr>
<td>25226 Management, treatment and recovery of waste</td>
<td></td>
</tr>
<tr>
<td>25227 Regional planning and urbanism</td>
<td></td>
</tr>
<tr>
<td>25228 Protected areas (no lectures)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ECTS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic subjects</td>
<td>66</td>
</tr>
<tr>
<td>Compulsory subjects</td>
<td>134</td>
</tr>
<tr>
<td>Electives</td>
<td>28</td>
</tr>
<tr>
<td>Undergraduate dissertation</td>
<td>12</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>240</td>
</tr>
</tbody>
</table>

https://estudios.unizar.es/estudio/ver?id=100
### Master in Agricultural Engineering

<table>
<thead>
<tr>
<th>Module 1: Technology and planning of the rural environment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year</strong></td>
</tr>
<tr>
<td>60561 Rural infrastructure</td>
</tr>
<tr>
<td>60563 Agricultural land-use planning and management</td>
</tr>
<tr>
<td>60565 Water resources and hydraulic facilities</td>
</tr>
<tr>
<td>60566 Rural facilities and roads</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module 2: Technology in crop and livestock production</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year</strong></td>
</tr>
<tr>
<td>60567 Animal production systems</td>
</tr>
<tr>
<td>60568 Plant production systems</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module 3: Technology in agri-food industries</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year</strong></td>
</tr>
<tr>
<td>60560 Food quality and safety</td>
</tr>
<tr>
<td>60564 Agricultural and rural development policies</td>
</tr>
<tr>
<td>60569 Agri-food systems and processes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module 4: Management and organisation of agri-food companies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year</strong></td>
</tr>
<tr>
<td>60562 Agri-food marketing</td>
</tr>
</tbody>
</table>

| **Second year**                                            |
| 60570 Biotechnology and plant and animal improvement       |
| 60571 Agri-food business management                        |

<table>
<thead>
<tr>
<th>Module 5: Internship (Second year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60572 Internship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module 6: Master thesis (Second year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60573 Master dissertation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ECTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compulsory subjects</strong></td>
</tr>
<tr>
<td><strong>Internship</strong></td>
</tr>
<tr>
<td><strong>Master dissertation</strong></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
</tr>
</tbody>
</table>

---

https://eps.unizar.es/en/master-agronomic  
https://estudios.unizar.es/estudio/ver?id=691
Courses that under request of interested students offer:

- LITERATURE in English
- ACADEMIC TUTORING in English
- ASSESSMENT in English

https://eps.unizar.es/subjects-asignaturasef
University Expert in Integrated Management of Agricultural Pest

<table>
<thead>
<tr>
<th>ECTS (theoretical + practical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module 1. Training of technical directors of the ITEAF</td>
</tr>
<tr>
<td>Module 2. Responsible technicians of associations for treatments integrated in agriculture</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
</tr>
</tbody>
</table>

Private Master Degree in Sustainable Water Management (ONLINE)

<table>
<thead>
<tr>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Theoretical modules (virtual modality)</td>
</tr>
<tr>
<td>4 Case studies (face-to-face modality)</td>
</tr>
<tr>
<td>Master dissertation</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
</tr>
</tbody>
</table>

https://eps.unizar.es/gestionplagas

http://eps.unizar.es/en/private-studies
EPS. DOCTORAL AND POSTDOCTORAL OPPORTUNITIES

**RESEARCH INSTITUTES CLOSELY RELATED TO THE EPS**

1. **Pyrenean Institute of Ecology** *(IPE, CSIC)* – Jaca
2. **Aula Dei Experimental Station** *(EEAD, CSIC)* – Saragossa
3. **Agri-Food Research and Technology Center** *(CITA, Aragon Government)* – Saragossa
4. **Aragon Research Institute for Engineering Research** *(I3A, UZ)* – Saragossa
5. **Aragon Research Institute for Environmental Sciences** *(IUCA, UZ)* – Saragossa
7. **Research Centre for Energy Resources and Consumption** *(CIRCE, UZ)* – Saragossa
8. **CarboChemistry Institute** *(ICB, CSIC)* – Saragossa
9. **Spanish Geological Survey** *(IGME, MEC)* – Saragossa
10. **Aragon Agri-Food Research Institute** *(IA2, University of Zaragoza and CITA)* – Saragossa
11. **Mediterranean Agronomic Institute of Zaragoza-International Centre for Advanced Mediterranean Agronomic Studies** *(IAMZ-CIHEAM)* – Saragossa

**DEPARTMENTS** *(teaching at the EPS)*

- Agricultural and Natural Environment Sciences *(Botany, Ecology, etc.)*
- Chemical and environmental engineering
- Mechanical engineering
- Livestock production
- Fluid mechanics

Doctorate studies are regulated by the DOCTORATE SCHOOL of the University of Zaragoza, which offers a series of Doctorate Programs.

https://escueladoctorado.unizar.es/
http://eps.unizar.es/organizacion/departamentos
Gestar
Design and management of irrigation

Bioflora
Plant Biology and Evolution

EPS. RESEARCH


http://www.acquanalyst.com

http://bifi.es/bioflora/

Tecnologías de la manipulación gamética (TECNOGAM)

http://iua.unizar.es/grupo/tecnologias-de-la-manipulacion-gametica-tecnogam/

http://biocharresearchlab.unizar.es/home.html

CREG
Catalysis, Molecular Separations and Reactor Engineering Group

http://www.unizar.es/creg/investigaciones.php

http://biocharresearchlab.unizar.es/home.html

LABORATORY OF AGRICULTURAL MACHINERY

http://eps.unizar.es/laboratorio-maquinaria

http://iua.unizar.es/grupo/restauracion-ecologica/

Fuegosol

https://fuegosol.weebly.com/

Geomorphology and Global Change

http://www.unizar.es/provesos/

ECOLOGY AREA
EPS. SERVICES and FACILITIES

- Secretary
- Library
- Concierge services
- Print-edition
- Canteen
- Vineyard
- Olive grove
- Fruit trees
- Greenhouse
- Organic gardens
- Classrooms: 13
- Drawing classroom: 1
- Computer classrooms: 6
- Teaching-research labs: 22
- Conference halls: 22
- Meeting rooms
- Exhibition hall
15 agreements **SICUE PROGRAM** (national – SPAIN)  

28 agreements **ERASMUS+** (European)  

9 agreements **MOBILITY PROGRAM WITH LATIN-AMERICAN UNIVERSITIES**  

7 agreements **INTERNATIONAL INTERNSHIP OF COOPERATION FOR THE DEVELOPMENT**  

General UZ agreement MOBILITY WITH UNIVERSITIES IN NORTH AMERICA, OCEANIA OR ASIA  

**TRANSBORDER PROGRAM** (FRANCE – SPAIN) [Campus IBERUS – EBRoS]  

**NO BORDERS SCIENCE PROGRAM** (Brazil)  

---  

**Exchange students** (2016-17)  

- Degree in Environmental Sciences: 2 IN 9 OUT  
- Degree in Rural and Agri-food Engineering: 3 IN 7 OUT  
- Master in Agricultural Engineering: - IN - OUT

---

http://eps.unizar.es/movilidad/estudiantes-eps
Hochschule Esslingen / University of Applied Sciences (GERMANY)

Universität Hohenheim / Faculty of Natural Sciences and Agricultural (GERMANY)

Universidad Leopold-Franzens-Universität Innsbruck / Faculty of Natural Sciences (AUSTRIA)

Universität Für Bodenkultur / Viena (AUSTRIA)

University of Helsinki / Faculty of Agriculture and Forestry (FINLAND)

Ecole Nationale Superieure Agronomique de Montpellier - ENSA (FRANCE)

UPPA (Université de Pau et des Pays de L'Adour) / ENSGTI (Ecole Nationale Superieure en Génie des Technologies Industrielles) (FRANCE)

AgroParistech (FRANCE)

Institut National Polytechnique de Toulouse / École National Supérieure Agronomique de Toulouse (FRANCE)

Institut National des Sciences Appliquées de Rouen (FRANCE)

Uni LaSalle-Ecole des Métiers de l’Environnement (FRANCE)

Université Paris-Est Créteil Val de Mame (FRANCE)

Università degli Studi di Napoli Federico II / Napoles (ITALY)

Università degli Studi di Foggia / Facoltà di Agraria (ITALY)

Università degli Studi di Bari / Facoltà di Agraria (ITALY)

Università degli Studi di Genova (ITALY)

Università degli Studi di Pavia (ITALY)

Vilniaus Gedimino Technikos Universitetas (VGTU) (LITHUANIA)

University of Rzeszow / Faculty of Mathematics and Natural Sciences (POLAND)

Universytet Slaski / Katowice (POLAND)

Universidade de Aveiro (PORTUGAL)

Universidade de Porto (PORTUGAL)

Universidade de Tras-OS-Montes e Alto Douro / Miranda Do Douro (PORTUGAL)

Česka Zemedelska Univerzita V Praze / Prague (CZECH REPUBLIC)

Université de Lausanne / Faculty of Geosciences and Environment (SWITZERLAND)

Mersin University / İletisim Fam. Zeminkat (TURKEY)

Namik Kemal University / Tekirdág (TURKEY)

Ege Üniversitesi Ziraat Fakültesi (TURKEY)

https://eps.unizar.es/sites/eps.unizar.es/files/users/mrincon/informe_erasmus_pactados_con_coordinador_0.pdf
Mobility with Latin America

- Universidad Simón Bolívar. México DF (MEXICO)
- Universidad Agraria de La Molina (PERU)
- Universidad Técnica de Machala (ECUADOR)
- Universidad Nacional de Cuyo. Mendoza (ARGENTINA)
- Universidad Nacional de Río Cuarto (ARGENTINA)
- Universidad de Ciencias Empresariales y Sociales (ARGENTINA)
- Universidad Libre (COLOMBIA)
- Universidad Pedagógica y Tecnológica de Colombia (COLOMBIA)
- University of São Paulo (Faculty of Animal Science and Food Engineering) (BRAZIL)

https://eps.unizar.es/movilidad/iberoamerica
Universidad Centroccidental Lisandro Alvarado (VENEZUELA)

Universidad Nacional de San Antonio Abad del Cusco (PERU)

Universidad Técnica de Machala (ECUADOR)

Universidad Nacional de Río Cuarto (ARGENTINA)

Universidad Católica del Ecuador (Sede Esmeraldas) (ECUADOR)

Universidad Pedagógica y Tecnológica de Colombia (COLOMBIA)

Universidad de Tifariti (Campamentos saharauis, Tinduf)

https://eps.unizar.es/movilidad/practicas-de-cooperacion
CONVENIOS DE ÁMBITO GENERAL**

**CONVENIOS ESPECÍFICOS *

*Algunas universidades exigen el pago de tasas por servicios universitarios no académicos

Universidad de Montreal

University of Saskatchewan

University of New South Wales*

University of Technology, Sydney

University of Victoria

University of Western Ontario

University of Western Australia

University of Tokyo

University of Tsukuba

University of Wollongong

University of Wollongong

*Las confirmaciones posteriores a la fecha de la convocatoria podrán variar el contenido de este Anexo

**Los Convenios de ámbito general están abiertos a la solicitud de plazas por parte de estudiantes de cualquier Centro de la Universidad de Zaragoza, siempre que en dichas universidades se ofrezcan, salvo restricciones, los estudios cursados por el candidato y tenga el visto bueno del responsable de Relaciones Internacionales del Centro de la Universidad de Zaragoza

http://wzar.unizar.es/servicios/inter/norte1819.htm
Campus Iberus – Campus of international excellence of the Ebro Valley

Zaragoza University
Navarra Public University
La Rioja University
Lleida University

Toulouse University
Pau University

• Materials and technologies for quality of life
  - health technology
  - ENERGY AND ENVIRONMENT
• AGRI-FOOD AND NUTRITION
• Conservation of cultural heritage

(European Bioregion of Science)
ESCUELA POLITÉCNICA SUPERIOR
Technological College of Huesca
UNIVERSIDAD DE ZARAGOZA
Ctra. de Cuarte, s/n
22071 HUESCA – SPAIN

https://eps.unizar.es/movilidad/movilidad

Head of the EPS: 0034 974 239305 direspsh@unizar.es
International affairs: 0034 974 232455 mmaamarg@unizar.es
Administration: 0034 974 239303 admespsh@unizar.es
International office (Campus Huesca): 00 34 974 292682 mobilityhuesca@unizar.es

Mobility programs coordinators:

Dr. María Eugenia Marqués López 0034 974 292684 mmaamarg@unizar.es
(Head of the Mobility Committee)
Dr. Joan Manyá Cervelló 0034 974 292649 joanjoma@unizar.es
Dr. Ernesto Pérez Collazos 0034 974 292672 ernnextop@unizar.es
Dr. Jesús Guerrero Iturbe 0034 974 292654 jgiturbe@unizar.es
Dr. Alfredo Serreta Oliván 0034 974 239333 serreta@unizar.es
Dr. Nati Miguel Salcedo 0034 974 292648 nmiguel@unizar.es
Dr. Pablo Martín Ramos 0034 974 292668 pmr@unizar.es
Dr. David Badía Villas 0034 974 239318 badia@unizar.es
Dr. Ricardo Aliod Sebastián 0034 974 239329 raliod@unizar.es
Dr. Francisco Javier Sayago 0034 974 292669 jsayago@unizar.es
**International relations office (UZ)**
Interfakultades building. Pedro Cerbuna, 12. 50009 Saragossa – Spain
0034 976 762 052 relint@unizar.es
http://wzar.unizar.es/servicios/inter/EstuInt-TEMP.htm

**SPANISH as a second language and summer courses**
ele@unizar.es cex@unizar.es
https://cursosdeespanol.unizar.es/
https://cursosdeespanol.unizar.es/en/courses-huesca/courses-huesca

**Accommodation for students in Huesca**
http://eps.unizar.es/alojamientos

**Visas and foreigner procedures in Huesca**

**Student international associations**
ESN: http://wzar.unizar.es/servicios/inter/esnzaragoza.htm
AEGEE: http://www.aeggee-zaragoza.org/programa-tutor

**Leisure, culture and sports events in Huesca**
http://www.turismodezaragoza.es/
http://www.urpirineos.es/
https://www.turismodezaragoza.es/
https://www.turismodearagon.com/en
http://turismo.hoyadehuesca.es/en
http://www.turismodehuesca.unizar.es/actividades-e-instalaciones-deportivas
http://campushuesca.unizar.es/agenda-universitaria-campus-de-huesca

☑️ **2nd mother language in the world by number of speakers (6.7% - 2014)**

☑️ **within 3-4 generations, 10% of the world population will communicate in Spanish**
(Instituto Cervantes)
then... WHY US?

- world’s instrumental SPANISH
- wonderful and unique LOCATION
- friendly PEOPLE
- great QUALITY of LIFE
- wide CULTURAL and LEISURE offer
- nice and diverse CLIMATE
- amazing GASTRONOMY

- 5 centuries of academic HISTORY
- TOP 2% of the world's best universities
- TOP 17% of Spain’s best universities
- intense INTERNATIONALIZATION policies
  - large mobility programs and agreements network
  - top-ranking international annual student exchanges
  - English-language friendly courses

- European STUDY SYSTEM and high-quality EDUCATION
- high RESEARCH reputation
- excellent FACILITIES
- friendly and personalized SERVICES
- wide variety of COURSE CHOICES and good FLEXIBILITY
to fit student’s specific academic goals, needs and interests
“This was a year of discoveries and travelling, travelling through real trips and through deep conversations with people from all over the world. I enjoyed so much using languages as a tool to break down barriers of communication and making friends I would have never met without going abroad. I can’t wait to repeat this experience somewhere else!”

Marta Llamas, Degree in Environmental Sciences (OUT, 2014 - University of Lausanne, Switzerland)

“Cooperation programs offer the chance to know other countries and cultures, as well as provide an opportunity to work in projects that promote sustainable and equitable development of diverse societies. In Cuba, in both the social and academic environment, the limited access to resources encourages the ingenuity and the solidarity, which makes the Cuban people to be really special and the experience there, unforgettable.

Eva Sáiz, Degree in Environmental Sciences (OUT, 2015 - Universidad Agraria de La Habana, Cuba)
Marcos Sierra, Master in Agricultural Engineering (OUT, 2015 - University of Rzeszów, Poland)

"Cześć/Hello!! I'm Marcos and I've been studying in Rzeszów (Poland). If you decide to study in Poland, you will see a country with many contrasts, modern cities and universities within a recent very complex History. You'll adapt quickly to the strong Polish soups and your second home will be “Polskibus” and “PKP train”. I have visited many cities in 8 different countries. This experience has been very enriching. You'll have the opportunity to live in another country, meet many young European people, learn languages, and travel. Throw out your fears and join Erasmus, a singular experience!"

Adrián Gracia, Agricultural Engineering (OUT, 2015 - Université du Québec à Montréal, Canada)

“All the other people were invited to the trip but you were left out because of your boyfriend, your team loyalty, your pet at the end, your best asset, your time! Life is short, travel more. Not gots, not glory! Live as if you were to die tomorrow. Learn as if you were to live forever (Mahatma Ghandi). The most important is not the place where you go... it is the path that you will made. You have a long way to go... got it? “
“Studying the environment is a wonderful occupation, but if you do it at the EPS of Huesca it takes the advantage of being a 360-degrees experience. Every aspect of academic life in this university aims to involve the student in the specific field, leaving you richer both in knowledge and in personality.”

Ordesa National Park (Pyrenees, Huesca)

Gianluca Persia, Degree in Environmental and Natural Sciences (IN, 2015 - University of Genoa, Italy)
"My Erasmus experience has been one of the best adventures in my life. The opportunity of meeting new people from all around the world, travelling through different places, learning new languages and overcome challenges are some of the things that have opened my mind in all senses. Definitely, this experience will only bring positive learnings in your life!".

Portofino-Santa Margherita Ligure (Genova)

Celia Lainez, Degree in Environmental Sciences (OUT, 2016 - University of Genoa, Italy)

"I just have good memories about studying in the EPS in Huesca. The faculty is very modern and it is surrounded by an amazing landscape, which you can enjoy while studying in the library (incredible view at the Pre-Pyrenees) or doing excursions with class. The teachers are super friendly and obliging and apart of that nearly all of them speak English fluently. Also the classmates were fantastic; whatever I needed they helped me and they even took me to a trip to the Pyrenees. I really made some good friends over there. I just can tell you that studying at the EPS was the best which could have happened to me and I recommend it to everyone.”

Castle of Loarre (Huesca)

Verena Duschek, B.Sc. Biology (IN, 2016 - University of Innsbruck, Austria)
“It’s hard for me to explain the effect of this experience in my life. So many new sensations, places, points of view, unforgettable people... even the feeling of missing something has a positive point; it teaches you how to really appreciate the people, places and facts of your life when you are back at home. So I simply say to you that if you are wondering if you should participate in a mobility program, do it. You won’t regret it, it’s now or never! And once you’re there, take part in every adventure and spontaneous plan that will appear around you, don’t waste your time!!”

Cristina Abad, Degree in Environmental Sciences
(OUT, 2017 - University of Innsbruck, Austria)

“"I think everybody should live the Erasmus experience. It’s true that at the beginning you feel afraid but you are going to live new sensations, unforgettable moments and the most important you will overcome challenges. This year has helped me to open my mind and it also has shown me that I can do whatever I want. Because this is an Erasmus. It is every trip you do with lot of new cultures and adventures. It is also new people that you are going to miss later because finally they are like your family. It is a new university with other academic methods and other language. For all these reasons it has been one of the best years in my life and it could be yours. Ačiū Vilnius.”

Alba Vaquero, Degree in Environmental Sciences
(OUT, 2017 - Vilniaus Gedimino Technikos Universitetas, Lithuania)
“This has really been one of the best experiences for my life and personal evolution. Nothing best to open my mind, meet lots of people from different countries, learn about their cultures, continue with my studies, perform two languages at the same time,... and all this travelling to another country, visiting different places and having so funny and special moments. It’s a fact that in life you can be younger or older, but you will always be learning something different, and this allowed me to do it feeling happier and enjoying life itself.”

Alejandro Lapuente, Degree in Environmental Sciences (OUT, 2018 - University of Innsbruck, Austria)

“I have been in Vilna (Lithuania) by Erasmus and I think that it was the best choice I have ever taken. At beginning it was little hard but all people helped me to integrate. Vilna is a great city full of young people and party, the food very cheap and the language never was a problem. Lithuania in general, is a wonderful country with beautiful landscapes. There, I learned their culture and history. In conclusion, Erasmus is a great opportunity to meet many people from different places and countries, also to travel and visit many cities.”

Héctor Marín, Degree in Environmental Sciences (OUT, 2018 - Vilniaus Gedimino Technikos Universitetas, Lithuania)
“My Erasmus experience was the best adventure of my life: a continuous challenge with myself to overcome, learning a new language, the opportunity to travel and discover new places and new people from all over the world. Discover breathtaking places and enchanting sunsets. The university is very beautiful, has a modern structure totally surrounded by nature and by an incredible landscape of which you can fully enjoy even while studying, through the large window of the library! Moments with different people, within the EPS, as teachers, classmates and out of the EPS, with the other Erasmus and my roommates who have become my second family and that I will carry with me for the rest of my life. If I think of this experience, the first phrase that comes to mind is: What Huesca has united, nothing will divide it!”
BE an IN student in HUESCA at the UZ

Yijie & Chen

Huesca is a perfect city to study

https://youtu.be/8dLN8NeDqT4
Welcome to the EPS!