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| **Degrees** | | |
| degreeId | name | years |

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| **Groups** | | | | |
| groupId | name | activity | year | subjectId |

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| **Subjects** | | | | | | |
| subjectId | name | acronym | credits | year | type | degreeId |

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| **GroupsStudents** | | |
| groupStudentId | groupId | studentId |

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| **Grades** | | | | | |
| gradeId | value | gradeCall | withHonours | studentId | groupId |

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| **Students** | | | | | | |
| studentId | accessMethod | dni | firstName | surname | birthDate | email |

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| **Subjects** | | | | | | | |
| **subjectId** | **name** | **acronym** | **credits** | **year** | **type** | **degreeId** |
| 1 | 'Diseño y Pruebas' | ‘DP’ | 12 | 3 | ‘Obligatoria’ | 1 |
| 2 | 'Acceso Inteligente a la Informacion' | ‘AII’ | 6 | 4 | ‘Optativa’ | 1 |
| 3 | 'Optimizacion de Sistemas' | ‘OS’ | 6 | 4 | ‘Optativa’ | 1 |
| 4 | 'Ingeniería de Requisitos' | ‘IR’ | 6 | 2 | ‘Obligatoria’ | 1 |
| 5 | 'Análisis y Diseño de Datos y Algoritmos' | ‘ADDA’ | 12 | 2 | ‘Obligatoria’ | 1 |
| 6 | 'Introducción a la Matematica Discreta' | ‘IMD’ | 6 | 1 | ‘Formacion Basica’ | 2 |
| 7 | 'Redes de Computadores' | ‘RC’ | 6 | 2 | ‘Obligatoria’ | 2 |
| 8 | 'Teoría de Grafos' | ‘TG’ | 6 | 2 | ‘Obligatoria’ | 2 |
| 9 | 'Aplicaciones de Soft Computing' | ‘ASC’ | 6 | 4 | ‘Optativa’ | 2 |
| 10 | 'Fundamentos de Programación' | ‘FP’ | 12 | 1 | ‘Formacion Basica’ | 3 |
| 11 | 'Lógica Informatica' | ‘LI’ | 6 | 2 | ‘Optativa’ | 3 |
| 12 | 'Gestión y Estrategia Empresarial' | ‘GEE’ | 90 | 3 | ‘Optativa’ | 3 |
| 13 | 'Trabajo de Fin de Grado' | ‘TFG’ | 12 | 4 | ‘Obligatoria’ | 3 |

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| **Degrees** | | | |
| **degreeId** | **name** | **years** |
| 1 | ‘Ingeniería del Software’ | 4 |
| 2 | ‘Ingeniería de Computadores’ | 4 |
| 3 | ‘Tecnologías Informáticas’ | 4 |

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| **Group** | | | | |
| groupId | name | activity | year | subjectId |
| 1 | ‘T1’ | ‘Teoria’ | 2018 | 1 |
| 2 | ‘T2’ | ‘Teoria’ | 2018 | 1 |
| 3 | ‘L1’ | ‘Laboratorio’ | 2018 | 1 |
| 4 | ‘L2’ | ‘Laboratorio’ | 2018 | 1 |
| 5 | ‘L3’ | ‘Laboratorio’ | 2018 | 1 |
| 6 | ‘T1’ | ‘Teoria’ | 2019 | 1 |
| 7 | ‘T2’ | ‘Teoria’ | 2019 | 1 |
| 8 | ‘L1’ | ‘Laboratorio’ | 2019 | 1 |
| 9 | ‘L2’ | ‘Laboratorio’ | 2019 | 1 |
| 10 | ‘Teor1’ | ‘Teoria’ | 2018 | 2 |
| 11 | ‘Teor2’ | ‘Teoria’ | 2018 | 2 |
| 12 | ‘Lab1’ | ‘Laboratorio’ | 2018 | 2 |
| 13 | ‘Lab2’ | ‘Laboratorio’ | 2018 | 2 |
| 14 | ‘Teor1’ | ‘Teoria’ | 2019 | 2 |
| 15 | ‘Lab1’ | ‘Laboratorio’ | 2019 | 2 |
| 16 | ‘Lab2’ | ‘Laboratorio’ | 2019 | 2 |
| 17 | ‘T1’ | ‘Teoria’ | 2019 | 10 |
| 18 | ‘T2’ | ‘Teoria’ | 2019 | 10 |
| 19 | ‘T3’ | ‘Teoria’ | 2019 | 10 |
| 20 | ‘L1’ | ‘Laboratorio’ | 2019 | 10 |
| 21 | ‘L2’ | ‘Laboratorio’ | 2019 | 10 |
| 22 | ‘L3’ | ‘Laboratorio’ | 2019 | 10 |
| 23 | ‘L4’ | ‘Laboratorio’ | 2019 | 10 |
| 24 | ‘Clase’ | ‘Teoria’ | 2019 | 12 |

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| **GroupsStudents** | | |
| groupStudentId | groupId | studentId |
| 1 | 1 | 1 |
| 2 | 3 | 1 |
| 3 | 7 | 1 |
| 4 | 8 | 1 |
| 5 | 10 | 1 |
| 6 | 12 | 1 |
| 7 | 2 | 2 |
| 8 | 3 | 2 |
| 9 | 10 | 2 |
| 10 | 12 | 2 |
| 11 | 18 | 21 |
| 12 | 21 | 21 |

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| **Grades** | | | | | |
| gradeId | value | gradeCall | withHonours | studentId | groupId |
| 1 | 4.50 | 1 | 0 | 1 | 1 |
| 2 | 3.25 | 2 | 0 | 1 | 1 |
| 3 | 9.95 | 1 | 0 | 1 | 7 |
| 4 | 7.5 | 1 | 0 | 1 | 10 |
| 5 | 2.5 | 1 | 0 | 2 | 2 |
| 6 | 5 | 2 | 0 | 2 | 2 |
| 7 | 10 | 1 | 1 | 2 | 10 |
| 8 | 0 | 1 | 0 | 21 | 18 |
| 9 | 1.25 | 2 | 0 | 21 | 18 |
| 10 | 0.5 | 3 | 0 | 21 | 18 |

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| **Students** | | | | | | | |
| studentId | accessMethod | dni | firstName | surname | birthDate | email |
| 1 | ‘Selectividad’ | ‘12345678A’ | ‘Daniel’ | ‘Pérez’ | '1991-01-01' | ‘daniel@alum.us.es’ |
| 2 | ‘Selectividad’ | ‘22345678A’ | ‘Rafael’ | ‘Ramírez’ | '1992-01-01' | ‘[rafael@alum.us.es](mailto:rafael@alum.us.es)’ |
| 3 | ‘Selectividad’ | ‘32345678A’ | ‘Gabriel’ | ‘Hernández’ | '1993-01-01' | ‘[gabriel@alum.us.es](mailto:gabriel@alum.us.es)’ |
| 4 | ‘Selectividad’ | ‘42345678A’ | ‘Manuel’ | ‘Fernández’ | '1994-01-01' | ‘[manuel@alum.us.es](mailto:manuel@alum.us.es)’ |
| 5 | ‘Selectividad’ | ‘52345678A’ | ‘Joel’ | ‘Gómez’ | '1995-01-01' | ‘[joel@alum.us.es](mailto:joel@alum.us.es)’ |
| 6 | ‘Selectividad’ | ‘62345678A’ | ‘Abel’ | ‘López’ | '1996-01-01' | ‘[abel@alum.us.es](mailto:abel@alum.us.es)’ |
| 7 | ‘Selectividad’ | ‘72345678A’ | ‘Azael’ | ‘González’ | '1997-01-01' | ‘azael@alum.us.es’ |
| 8 | ‘Selectividad’ | ‘8345678A’ | ‘Uriel’ | ‘Martínez’ | '1998-01-01' | ‘[uriel@alum.us.es](mailto:uriel@alum.us.es)’ |
| 9 | ‘Selectividad’ | ‘92345678A’ | ‘Gael’ | ‘Sánchez’ | '1999-01-01' | ‘[gael@alum.us.es](mailto:gael@alum.us.es)’ |
| 10 | ‘Titulado Extranjero’ | ‘12345678B’ | ‘Noel’ | ‘Álvarez’ | '1991-02-02' | ‘[noel@alum.us.es](mailto:noel@alum.us.es)’ |
| 11 | ‘Titulado Extranjero’ | ‘22345678B’ | ‘Ismael’ | ‘Antúnez’ | '1992-02-02' | ‘[ismael@alum.us.es](mailto:ismael@alum.us.es)’ |
| 12 | ‘Titulado Extranjero’ | ‘32345678B’ | ‘Nathanael’ | ‘Antolinez’ | '1993-02-02' | ‘[nathanael@alum.us.es](mailto:nathanael@alum.us.es)’ |
| 13 | ‘Titulado Extranjero’ | ‘42345678B’ | ‘Ezequiel’ | ‘Aznárez’ | '1994-02-02' | ‘[ezequiel@alum.us.es](mailto:ezequiel@alum.us.es)’ |
| 14 | ‘Titulado Extranjero’ | ‘52345678B’ | ‘Ángel’ | ‘Chávez’ | '1995-02-02' | ‘[angel@alum.us.es](mailto:angel@alum.us.es)’ |
| 15 | ‘Titulado Extranjero’ | ‘62345678B’ | ‘Matusael’ | ‘Gutiérrez’ | '1996-02-02' | ‘[matusael@alum.us.es](mailto:matusael@alum.us.es)’ |
| 16 | ‘Titulado Extranjero’ | ‘72345678B’ | ‘Samael’ | ‘Gálvez’ | '1997-02-02' | ‘[aamael@alum.us.es](mailto:aamael@alum.us.es)’ |
| 17 | ‘Titulado Extranjero’ | ‘82345678B’ | ‘Baraquiel’ | ‘Ibáñez’ | '1998-02-02' | ‘[baraquiel@alum.us.es](mailto:baraquiel@alum.us.es)’ |
| 18 | ‘Titulado Extranjero’ | ‘92345678B’ | ‘Onotiel’ | ‘Idiáquez’ | '1999-02-02' | ‘[onotiel@alum.us.es](mailto:onotiel@alum.us.es)’ |
| 19 | ‘Titulado Extranjero’ | ‘12345678C’ | ‘Niriel’ | ‘Benítez’ | '1991-03-03' | ‘[niriel@alum.us.es](mailto:niriel@alum.us.es)’ |
| 20 | ‘Titulado Extranjero’ | ‘22345678C’ | ‘Múriel’ | ‘Bermúdez’ | '1992-03-03' | ‘[m](mailto:Muriel@alum.us.es)uriel@alum.us.es’ |
| 21 | ‘Titulado Extranjero’ | ‘32345678C’ | ‘John’ | ‘AII’ | '2000-01-01' | ‘[john@alum.us.es](mailto:john@alum.us.es)’ |