**BACHELOR PROGRAM OF STUDY**

**MACHINERY AND EQUIPMENT FOR AGRICULTURE AND FOOD ENGINEERING**

**1ST YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| MIAIA.01.F.01 | Mathematical analysis  | 5 |
| MIAIA.07.C.01 | Physical education and sports  | 1 |
| MIAIA.06.F.01 | Linear algebra, analytical and differential geometry  | 5 |
| MIAIA.05.F.01 | Coding and programming languages  | 3 |
| MIAIA.04.F.01 | Chemistry  | 5 |
| MIAIA.03.F.01 | Technical drawing  | 5 |
| MIAIA.02.F.01 | Descriptive geometry  | 4 |
| **SEMESTER II** |
| MIAIA.08.F.02 | Mathematical analysis  | 4 |
| MIAIA.14.C.02 | Physical education and sports \*  | 1 |
| MIAIA.13.S.02 | Pedology  | 4 |
| MIAIA.12.D.02 | Material technology  | 4 |
| MIAIA.11.F.02 | Physics I  | 4 |
| MIAIA.10.D.02 | Material science and engineering  | 4 |
| MIAIA.09.F.02 | Special mathematics  | 4 |

**2ND YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| MIAIA.01.D.03 | Mechanics I  | 5 |
| MIAIA.06.C.03 | Physical education and sports \*  | 1 |
| MIAIA.05.D.03 | Material resistance I  | 5 |
| MIAIA.04.D.03 | Fluid mechanics and hydraulic machines  | 6 |
| MIAIA.03.D.03 | Electrotechnics and electrical machines and drive  | 5 |
| MIAIA.02.D.03 | Termotechnics  | 5 |
| **SEMESTER II** |
| MIAIA.07.D.04 | Mechanics II  | 4 |
| MIAIA.12.C.04 | Physical education and sports \*  | 1 |
| MIAIA.11.D.04 | Material resistance II  | 4 |
| MIAIA.10.D.04 | Mechanisms | 6 |
| MIAIA.09.F.04 | Physics II  | 4 |
| MIAIA.08.D.04 | Machines tools and chipping processing  | 4 |

**3RD YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| MIAIA.01.D.05 | Machine components  | 4 |
| MIAIA.06.S.05 | General agriculture  | 6 |
| MIAIA.05.S.05 | Agribiologic bases of agricultural mechanization  | 5 |
| MIAIA.04.D.05 | Hydraulic and pneumatic drive  | 5 |
| MIAIA.03.D.05 | Tolerances and dimensional control  | 2 |
| MIAIA.02.D.05 | Machine components - project  | 2 |
| **SEMESTER II** |
| MIAIA.07.S.06 | Internal combustion engine  | 4 |
| MIAIA.12.S.06 | Machines and equipment for land fund improvement  | 4 |
| MIAIA.11.S.06 | Machines for plant protection  | 3 |
| MIAIA.10.S.06 | Sowing, planting and fertilizing machines  | 4 |
| MIAIA.09.S.06 | Machines for soil works  | 4 |
| MIAIA.08.S.06 | Tractors and automobiles  | 4 |

**4TH YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| MIAIA.01.S.07 | Machines and equipment for the food industry  | 7 |
| MIAIA.02.S.07 | Machines and equipment for animal husbandry  | 6 |
| MIAIA.03.S.07 | Harvesting machines  | 5 |
| MIAIA.04.S.07 | Harvesting machines - project  | 2 |
| MIAIA.05.S.07 | Cooling and air-conditioning equipment  | 5 |
| MIAIA.06.S.07 | Organizing and equipping mechanic workshops  | 5 |
| **SEMESTER II** |
| MIAIA.07.S.08 | Equipment maintaining and repairing technologies  | 5 |
| MIAIA.10.D.08 | Management  | 4 |
| MIAIA.09.C.08 | Economy  | 3 |
| MIAIA.08.S.08 | Agricultural aggregate exploitation  | 5 |