Study Plan

1st YEAR:

- Animal housing and environmental impact – 10 CFU.
  - Housing, planning and design – 5 CFU (TAF: B).
  - Waste management and impact – 5 CFU (TAF: B).

- Digital mapping and precision irrigation
  - Digital Mapping, Geospatial Statistics and Decision Support – 5 CFU (TAF: C).
  - Precision Irrigation Systems and Sensing Technologies – 5 CFU (TAF: C).

- Production process control – 5 CFU (TAF: B).

- Biomass utilization for energy production and greenhouse gas
  - Biomass thermal conversion processes – 6 CFU (TAF: C).
  - Bioconversion processes – 6 CFU (TAF: C).

- Robotics and autonomous sensors – 10 CFU
  - Robotics – 5 CFU (TAF: C).
  - Autonomous sensors – 5 CFU (TAF: C).

- Innovation management in livestock farm – 5 CFU (TAF: B).

2nd YEAR:

- Automated farm management – 16 CFU.
  - Large animal – 10 CFU (TAF: B).
  - Poultry and fish – 7 CFU (TAF: B).

- Livestock Health Monitoring – 10 CFU
  - Infective diseases – 5 CFU (TAF: B).
  - Non Infective diseases – 5 CFU (TAF: B).

- Precision feed production and management – 12 CFU.
  - Feed management – 7 CFU (TAF: B).
  - Precision Crop Protection – 5 CFU (TAF: C).

- Electives**
  - 1st Elective – 5 CFU (TAF: D).
  - 2nd Elective – 5 CFU (TAF: D).

- Training – 3 CFU (TAF: G).

- Stage – 9 CFU (TAF: G).

- Final Report – 15 CFU (TAF: E).

The Elective can be chosen between:
- Traceability in food supply chain – 5 CFU.
- Precision strategies in Parasitology – 5 CFU.
- Reproductive disorders in livestock – 5 CFU.
- PLF tecnology to support clinical diagnosis in farms – 5 CFU

- Precision strategies for prevention and management of antimicrobial resistance – 5 CFU.

The study plan is descripted at the following links:

(*) Key to the types of training activities (TAF) (DM 270/04)

TAF	A	B	C	D	E	F	G
rif. DM270/04	Art. 10 comma 1, a)	Art. 10 comma 1, b)	Art. 10 comma 5, b)	Art. 10 comma 5, a)	Art. 10 comma 5, c)	Art. 10 comma 5, d)	Art. 10 comma 5, e)