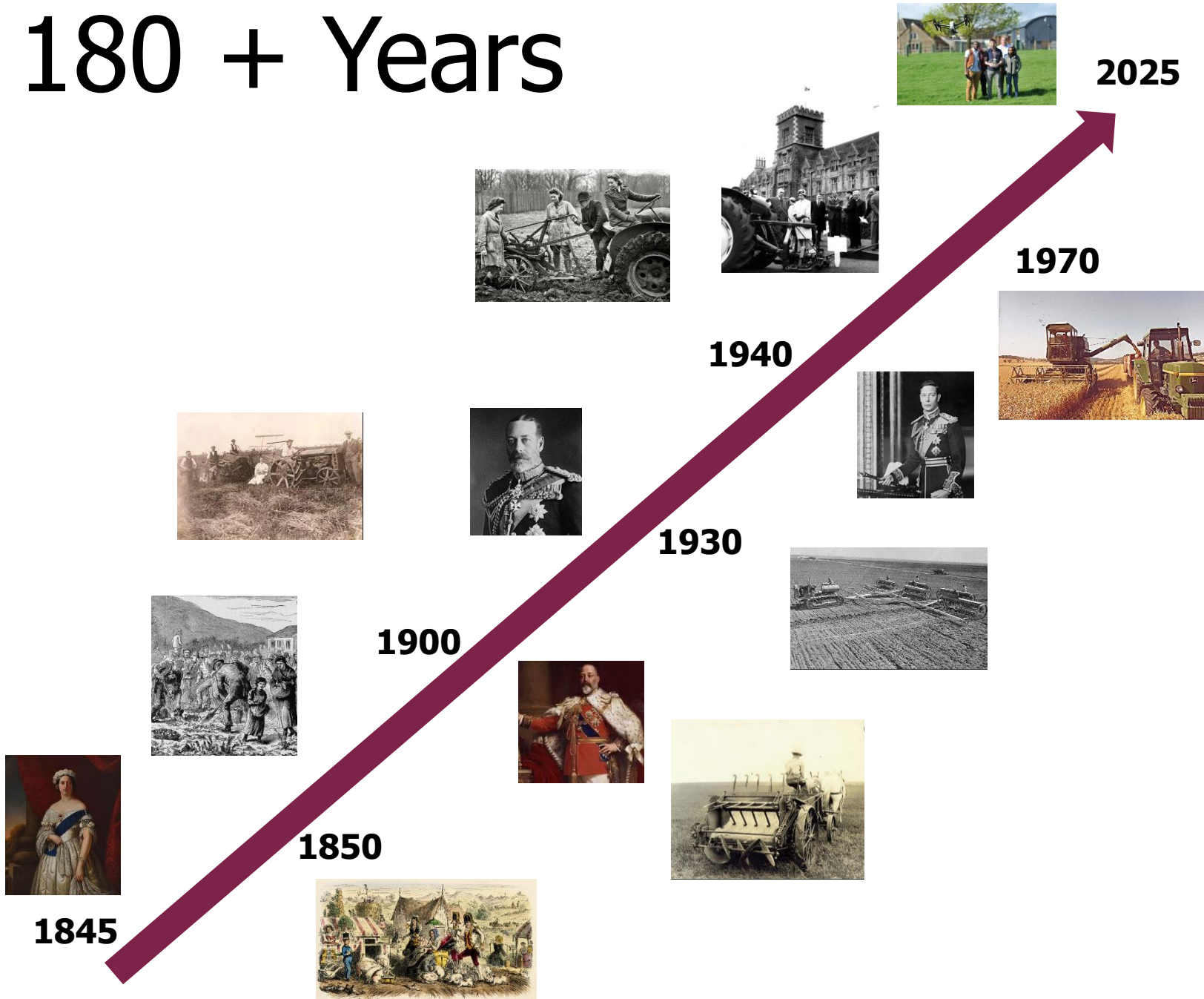


Royal Agricultural University



Agriculture, Equine & Environmental Courses

180 + Years



Located in Cirencester the RAU's founding purpose - to care for the land – is more relevant and vital than ever.

All depends on it.

Climate resilience, nature recovery, food security, clean water, health, wellbeing and thriving communities all rely on how we treat the land.

Grow with us

Agriculture

Core Teaching Team:

- **Dr Karen Rial Lovera**
- **Christopher Brough**
- **Phil Hudson**
- **+11 other course team members**



Agriculture Degrees - Undergraduate

FdSc Agriculture and Farm Management

BSc (Hons) Agriculture

BSc (Hons) Agri-Management (Top-up)

Agriculture Degrees - Postgraduate

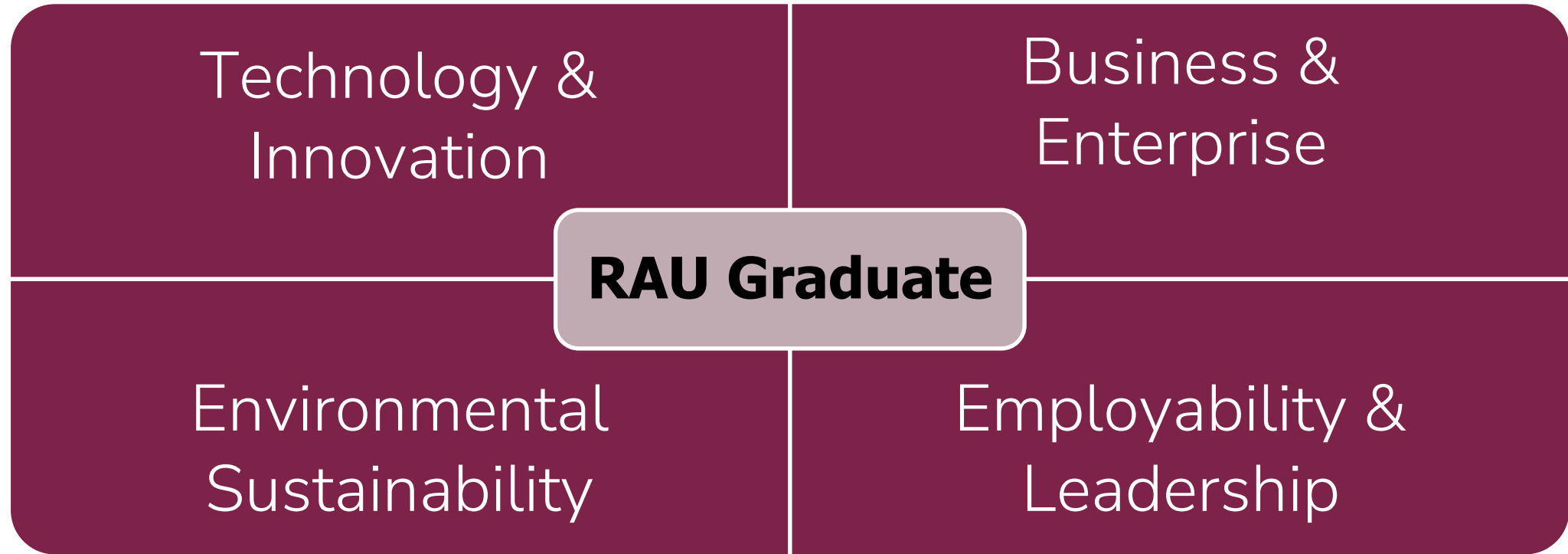
MSc Agricultural Technology and Innovation

MSc Sustainable Agriculture and Food Security

MSc Agroecology

Graduate Diploma in Agriculture

Programme Cornerstones



Programme Aims

- To inform, inspire and enable you to gain a fundamental understanding and critical awareness of the problems facing agriculture, particularly issues pertaining to the challenges of food production and its global impact.
- Our programmes focus on the role of the professional agriculturalist of the future.
- You will learn how to build a sustainable, profitable and resilient agricultural business which contributes to a thriving sector.



Who are these Programmes for?

- Students who have a passion and drive to make a difference in our rapidly evolving industry.
- Students wanting to develop the knowledge and skills required to understand the complexity of modern agriculture and be capable of working within and across sectors in a variety of roles.
- Students wanting to be confident in the practical application of farming methods including agronomy, livestock husbandry and land management in the context of modern global food production.



Programme Structure

120 credits per year

- 20 & 40 credit modules (Core & Electives)



FdSc Programme Structure

Level 4 – Year One

Applied
Agricultural
Science

Professional,
Practical &
Study Skills

Farm Business
Finance &
Account

Soil Science &
Ecosystem
Services

Farming
Systems &
Sustainability

Agricultural
Machinery &
Technology

Level 5 – Year Two

Agriculture &
Food Policy

Livestock
Husbandry

Land, Property &
Woodland
Management

Agronomy

Farm Business
Planning &
Operations

Agri -
Commodities
Marketing & Data
Management

BSc Programme Structure

Core Module

Elective Module

Level 4 – Year One

Farming System & Sustainability

Farm Business Finance & Account

Professional, Practical & Study Skills

Agricultural Machinery, Technology & Buildings

Soil Science & Ecosystem Services

Applied Plant & Animal Science

Level 5 – Year Two

Farm Business Planning & Food Supply Chains

Technology & Agroecological Innovations

Alternative Cropping Systems

Farm Animal Health & Welfare

Research & Evidence

Agronomy

Livestock Husbandry

Agricultural Commodities Trading

Industry Engagement
*Non-credit bearing

Level 6 – Year Three (or Four*)

Research Project

Solutions for Livestock & Crops

Advance Livestock Nutrition & Breeding

Farm Business consultancy

Countryside & Environmental Management

Agri-Food Systems & Policies

Crop Health, Nutrition & Protection

Advance Farm Business Management

Placements

- Studied after Year 2 of the BSc programme or after Year 1 of the FdSc

10 - 12-week
Placement

Professional
Placement
Year

120 credits

- Opportunity to put your learning into practice during a work-based placement period

Employment opportunities

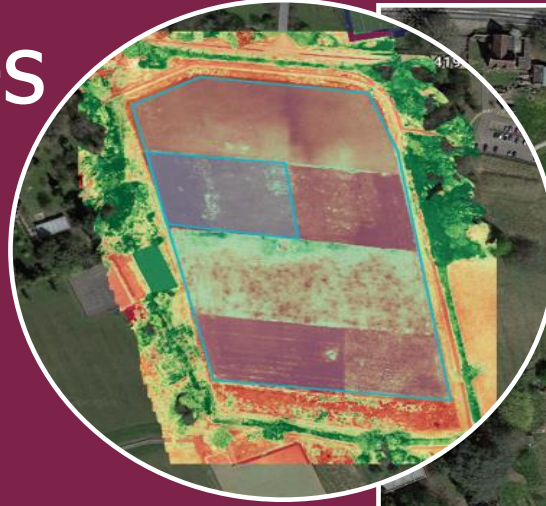
- Agronomist
- Farm Manager
- Nutritionist
- Agricultural Journalist
- Academic Lecturer
- Research Consultant/Advisor
- Agricultural Supplier
- Food and Bio Crop Manager
- Precision Farming Advisor
- Developing Own Business

Over 92% of our graduates are employed or in professional training after 6 months.

Learning without boundaries



Coates Farm



The Steadings



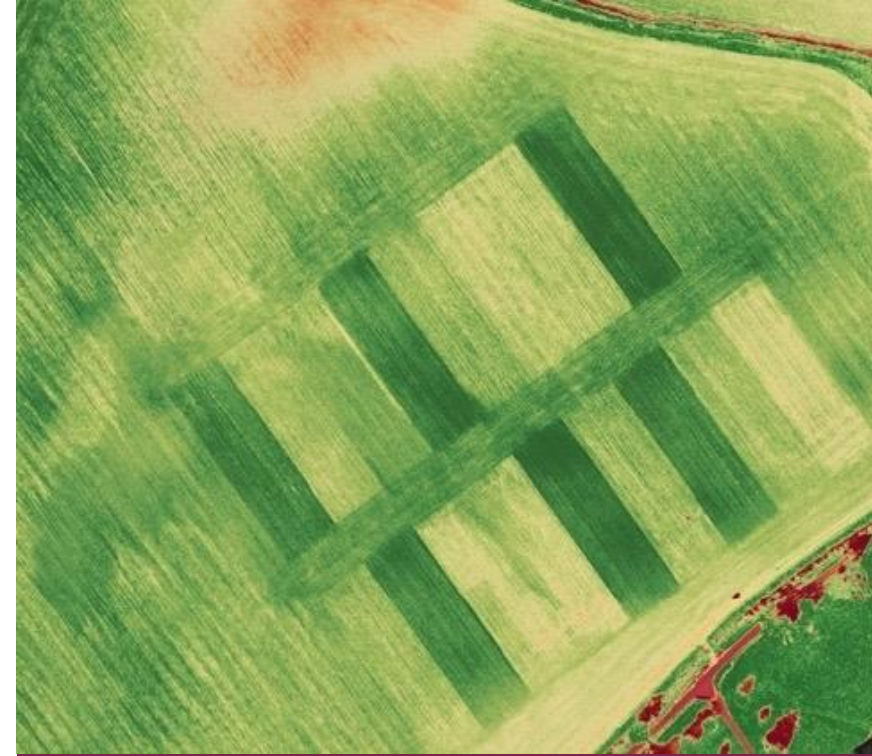
Vineyard



RAU Farms- Sustainable commercial farming

Farms that we learn from

- Mix of enterprises including cattle, sheep, horses and arable
- Direct access to arable and dairy farms
- Used for farm classes, demonstrations and projects as well as a focus for research
- Integrated with education
- Research opportunities
- Physical and financial information





Environment

Core Teaching Team:

- **Dr Ian Grange**
- **Dr Emmanuel Zuza**
- **Dr Kelly Hemmings**



Environment Degrees - Undergraduate

FdSc Wildlife Conservation and Countryside Management

BSc (Hons) Wildlife and Countryside Management (Top-up)

BA/BSc (Hons) Environment and Sustainability

Why Study Environment?

- The growing awareness of environmental issues and the associated problems that individuals, society and the government are encountering means that there is increasing focus and support being given to this sector. Sustainability is at the heart of this and employers are actively seeking trained graduates with skills and knowledge in environmental sustainability.
- The effective conservation of species, ecosystems and natural resources is vital for future sustainable development. Our courses will allow you to gain the academic knowledge, applied ecological theory and extensive hands- on field experience needed to manage habitats and conserve wildlife.



Programme Aims

BSc/BA Environment and Sustainability

- The BSc focuses on technology and innovation, ecological thinking, environmental sustainability, consultancy & advisory whereas the BA covers environmental humanities, food & agriculture, advocacy & activism and integrating modules.
- The BSc Environment & Sustainability will take advantage of the employment 'environmental' gap mentioned previously whereas the BA Environment & Sustainability will focus on the roles of people and society in solving environmental problems, giving more attention to the 'social' element of sustainability, alongside the environmental and economic.

FdSc Wildlife Conservation & Countryside Management

- To enrich your knowledge by exploring wider topics such as rewilding, environmental issues, agri-environment schemes, and the work of conservation organisations. With this combination of academic knowledge, practical skills and work experience, you will progress in your career to be able to work for prestigious organisations such as The Wildlife Trust, The National Trust and The Forestry Commission.



Who are these Programmes for?

- Students who have a passion and drive to explore innovative solutions to climate challenges, actively address biodiversity loss and champion sustainability.
- Students wanting to develop the knowledge and skills towards the natural world and the opportunities they can have in the wildlife conservation and countryside sectors.
- Students who enjoy regular practical application of academic study.



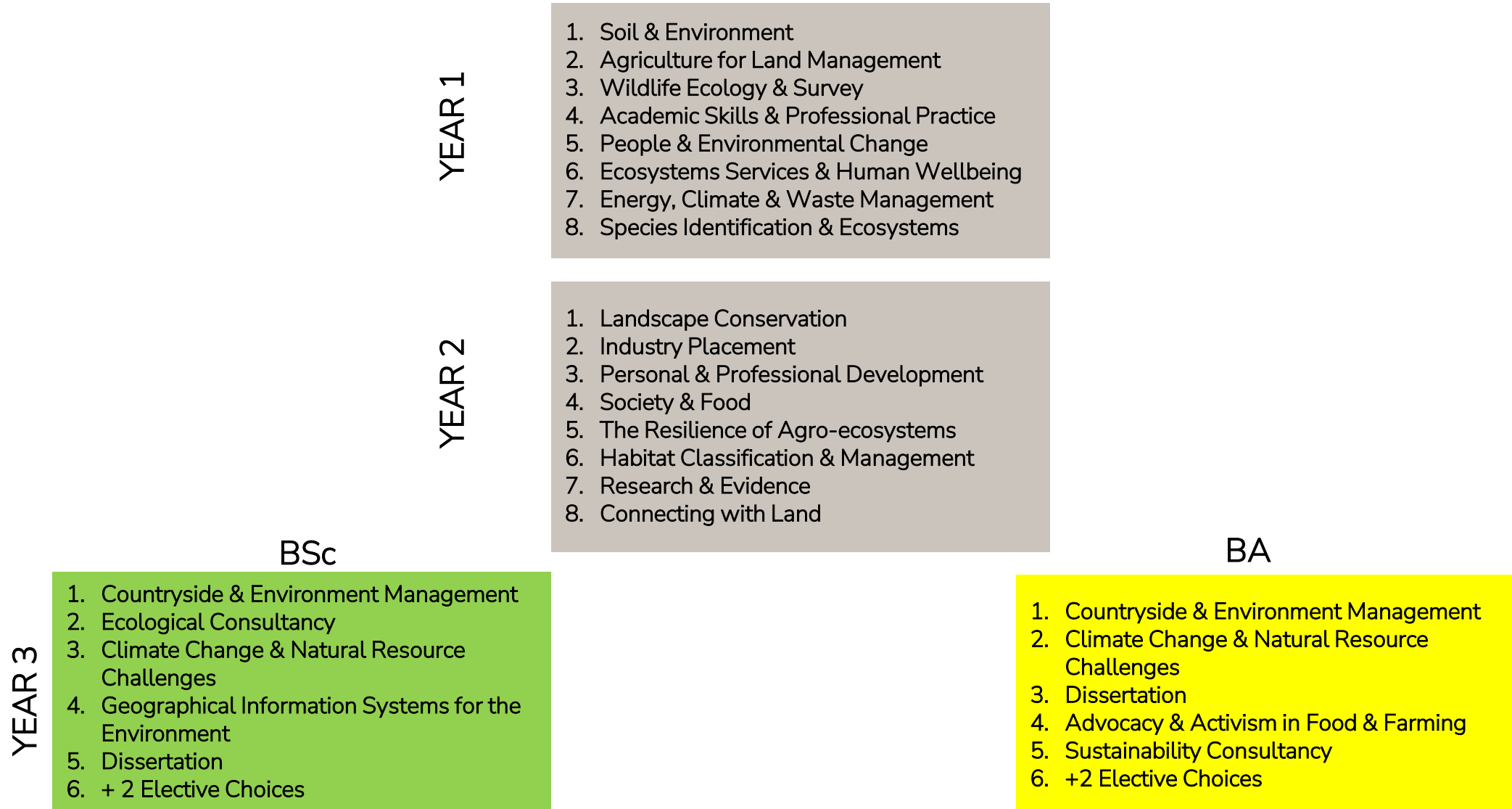
Programme Structure

120 credits per year

- 20 & 40 credit modules (Core & Electives)



BSc/BA E&S Programme Structure



FdSc WC & CM Programme Structure

YEAR 1

1. Soil & Environment Science
2. Wildlife Ecology & Survey
3. Practical Conservation Skills & Work Placement
4. People & Environmental Change
5. Ecosystems Services & Human Wellbeing
6. Wildlife Handling
7. Species Identification & Ecosystems

YEAR 2

1. Landscape Conservation
2. The Resilience of Agro-ecosystems
3. Personal & Professional Development
4. Habitat Classification & Management
5. Research & Evidence
6. Biodiversity Recording & Citizen Science
7. Wildlife Conservation Study Tour
8. Connecting with Land

Placements

BSc/BA Environment & Sustainability

In the second year of the degree programme, you will apply and develop your expertise during a 15-week work placement. Not only could you find yourself working for prestigious companies in the UK or across the world, you will also develop your confidence and make a range of industry contacts

FdSc Wildlife Conservation

You will complete a 30-day work placement usually during the summer between your first and second year. This will give you essential skills and experience of wildlife and environmental management activities within the sector. Field visits to conservation sites and organisations are not only exciting but essential to this course. Previous destinations include Knepp Estate, Rhossili Bay, British Wildlife Centre, Elan Valley and many more.





Equine

Core Teaching Team:

- **Dr Simon Daniels
(Cluster Lead)**
- **Dr Charlotte Sinclair**
- **Tracy Bye**
- **Dr Andrew Hemmings**



Equine Degrees - Undergraduate

FdSc Equine Management

BSc (Hons) Equine Science and Business

BSc (Hons) Equine Health and Welfare (Top-up)

BSc (Hons) Bloodstock & Performance Management

Cornerstones of Excellence

TEACHING

INDUSTRY
ENGAGEMENT

WORLD
LEADING
RESEARCH

Programme Aims

- To provide students with a broad understanding surrounding the anatomy, physiology, business and management of equine facilities and its occupants.
- Our programmes focus on creating strong industry links to support development after university.



Who are these Programmes for?

- Students who are keen to recognise how science is growing the equine industry and the steps being taken to improve animal health and welfare.
- Students wanting to develop the knowledge and skills required to understand the equine sector and be capable of working within and across sectors in a variety of roles.
- Students that aspire to have a career in the Thoroughbred or sports industry.
- Students do not need to have an agricultural or farming background; they simply need the passion and drive to make a difference in a rapidly evolving industry.



Programme Structure

120 credits per year

- 20 & 40 credit modules (Core & Electives)



FdSc Equine Management

YEAR 1:

- Equine Anatomy and Physiology
- Introduction to Equine Nutrition
- Introduction to Equine Health and Disease
- Equine Breeding and Genetics
- Equine Industry
- Practical Equine Management
- Business Finance and Accounts OR Breeding and Genetics

YEAR 2:

- Sustainable Grassland and Sports Turf Management
- Equine Sports Physiology and Nutrition
- Equine Facility Management
- Advanced Equine Practice
- Equine Veterinary Science
- Horse Behaviour and Welfare Applications
- Research and Evidence
- Marketing Management OR Bloodstock Production

The
British
Horse
Society

Level 3 Groom's
Qualification

“Successful candidates will leave with a signed off skills record, that will enable application for BHS awards up to the level 3 Groom's Qualification”

“Top-Up opportunities onto year 3 of our two BSc (Hons) degrees”

Common Year One

YEAR 1

1. Equine Anatomy and Physiology
2. Introduction to Academic & Practical Skills
3. Business Finance and Accounting
4. The Global Business Environment
5. Introduction to Equine Health and Disease
6. Introduction to Equine Nutrition
7. The UK Equine Industry
8. Equine Breeding and Genetics

BSc (Hons) Equine Science & Business

YEAR 2

1. Horse Behaviour and Welfare Applications
2. Sustainable Forage and Turf Management
3. Equine Veterinary Science
4. Marketing Management
5. Industry Placement
6. Research and Evidence
7. Equine Sports Physiology and Biomechanics OR Livestock Husbandry OR Financial Management

YEAR 3

1. Dissertation
2. Equine Sports Medicine and Rehabilitation
3. Advances in Equine Nutrition
4. Rural Entrepreneurship
5. Advances in Training the Equine Athlete OR Changing Consumer Behaviour OR Advanced Livestock Breeding and Nutrition

BSc (Hons) Bloodstock & EP Management

1. Horse Behaviour and Welfare Applications
2. Equine Sports Physiology and Biomechanics
3. Sustainable Forage and Turf Management
4. Equine Veterinary Science
5. Bloodstock Production
6. Industry Placement
7. Research and Evidence

1. Dissertation
2. Equine Sports Medicine & Rehabilitation
3. Stud Management
4. Advances in Training the Equine Athlete
5. The Global Bloodstock Industry

Placements/Visits

You will complete a work placement in the second year. Students have completed placement at companies such as:

- Plusvital
- Equinome
- Godolphin
- Weatherby's
- NAF
- Haygain
- Highclere Stud
- France Galop
- Newell's Park Stud
- Weatherby's
- Jockey Club Estates
- Arena Racing Company

Study visits include visits to leading racing businesses in Lambourn, Newmarket and Ireland.



Fosse Hill



Staff Contacts

Want to visit us?

Contact – openday@rau.ac.uk

Or see our website at www.rau.ac.uk/opendays

Require any further information?

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Agriculture

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Contact – Christopher.Brough@rau.ac.uk

Environment

Contact – Ian.Grange@rau.ac.uk

Equine

Contact – Simon.Daniels@rau.ac.uk