

# Majors & Major Specialisations

At UCG, you will have the chance to study **three majors: Sciences, Social Sciences or Humanities**. Within each major, Major Specialisations allow you to **combine different academic disciplines** or perspectives into a **tailor-made programme** that fits your interests and prospective Master choice.

## Major: Sciences

Are you interested in medical sciences or in technological sciences? Do you like **biology, genetics, algebra, physics, artificial intelligence or data science**? This is the major for you. The Sciences Major has three major specialisations: **Health & Life Sciences, Smart Technologies, and Mind, Machines & Morality**.

### HEALTH & LIFE SCIENCES

The scope of this specialisation ranges from cell biology to human physiology, immunology, microbiology, neurobiology and other important areas in human biology, and their relevance for health and disease. Within Health & Life Sciences, you can choose from three profiles: Neurosciences, Life Science and Medicine, and Public Health.

#### CAREER PATHS

- ▶ Biomedical Scientist
- ▶ Forensic Scientist
- ▶ Higher education lecturer
- ▶ Epidemiologist
- ▶ Intellectual Property specialist
- ▶ Medical Doctor

### SMART TECHNOLOGIES

To shape the future, we need creative and interdisciplinary minds with knowledge of science, technology and computer science to develop and implement smart technological solutions in our modern society. In courses such as principles of modern technology; fields, waves and signals; device physics and health technologies, you study the concepts upon which the hardware of modern technology is based.

#### CAREER PATHS

- ▶ Programmer and Internet analyst
- ▶ Data scientist
- ▶ New technology experts
- ▶ Scientific researcher
- ▶ Business intelligence specialist
- ▶ Digital business specialist

### MIND, MACHINES & MORALITY

Innovations in artificial intelligence are built upon the needs of societies, and of the individuals that societies are comprised of. At the same time, these innovations impact people and societies at an unprecedented scale. This specialisation aims to train you to be able to contribute both to the development of artificial intelligence and to address human and societal issues surrounding these developments.

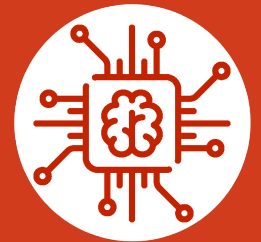
#### CAREER PATHS

- ▶ Cybersecurity specialist
- ▶ Programming, software developer
- ▶ Hardware developer
- ▶ Robotics and artificial intelligence
- ▶ Expert in 3D printing
- ▶ Scientific Researcher



#### Health & Life Sciences

Specialisation on DNA, Diseases, Humans & Health, and Public Health.



#### Smart Technologies

Specialisation on the technological side and the potential of new technologies.



#### Mind, Machines & Morality

Specialisation on the moral, ethical, legal, and psychological side of new technologies.

# Majors & Major Specialisations

## Major: Social Sciences

Are you interested in political, economical, psychological, social or legal sciences? Do you like **economics, sociology, entrepreneurship, philosophy, law, politics** or **psychology**? This is the major for you. The Social Sciences Major has five major specialisations: **Mind & Behaviour, Societies & Cultures in Transition, Philosophy, Politics & Economics, International Relations & International Law, and International Business & Entrepreneurship.**

### MIND & BEHAVIOUR

In this specialisation, you dive into the heart of all human activity: the psychology of how we think, feel, and behave. The complexity of mind and behaviour requires that you travel back and forth through the microscale dimensions of the individual and the macroscale dimensions of culture. You will achieve a solid foundation in the statistical and experimental skills that make psychology a science.

### CAREER PATHS

- ▶ Psychologist
- ▶ Scientist
- ▶ Policy maker
- ▶ Human resource advisor
- ▶ Manager
- ▶ Coach

### SOCIETIES & CULTURES IN TRANSITION

Societies and Cultures in Transition is geared towards understanding current societal and cultural changes. Change often leads to uncertainty, tension, and conflict. Yet, fundamental changes may be necessary to adapt our societies to the world of today and the challenges of tomorrow. Explaining and guiding societal and cultural transitions is a difficult task, especially in a complex and increasingly connected world.

### CAREER PATHS

- ▶ Researcher
- ▶ Policy maker
- ▶ Governmental advisor
- ▶ Social Networks specialist
- ▶ Sociologist
- ▶ Politician

### PHILOSOPHY, POLITICS & ECONOMICS

This specialisation studies the structure, and the philosophical and economic principles of today's (global) society. You will address various societal problems such as the polarisation of society, sustainable economic development, democracy and immigration. These problems have important economic dimensions, and present ethical dilemmas. They also require effective political solutions. The specialisation focuses on the nation state, the market and individual behaviour, and discusses how entities interact.

### CAREER PATHS

- ▶ Economist
- ▶ NGO advisor
- ▶ United Nations worker
- ▶ Policy maker
- ▶ Governmental worker
- ▶ Communications advisor



#### Mind & Behaviour

Specialisation on the psychology of human society with a focus on the individual.



#### Societies & Cultures in Transition

Specialisation on the social side of human society and relations with a focus on society.



#### Philosophy, Politics & Economics

Specialisation on the relations between philosophy, politics and the economy.

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### INTERNATIONAL RELATIONS & INTERNATIONAL LAW

This specialisation studies the role of the state and international organisations within the international community. It addresses global societal problems such as armed conflicts, human rights violations, terrorism, migration and climate change. This specialisation studies how states interact with each other, how they balance their national interests and global needs and it studies what the role of international law is. It aims to find means by which international political leaders can come to effective policy-making on the international level.

#### CAREER PATHS

- ▶ Legal & Policy advisor
- ▶ Diplomacy expert
- ▶ European Union worker
- ▶ International Relations officer
- ▶ United Nations advisor
- ▶ International Court worker

### INTERNATIONAL BUSINESS & ENTREPRENEURSHIP

The focus of this specialisation is on international business and entrepreneurship. You aim to understand the global business strategy, and analyse how international business and multinationals strategically operate in the global market. The specialisation discusses the implications of multinationals' strategies and addresses ethical dilemmas. Special attention is also given to the principles of entrepreneurship and the role of entrepreneurship in society.

#### CAREER PATHS

- ▶ Entrepreneur
- ▶ Governmental advisor
- ▶ Commercial advisor
- ▶ International financial worker
- ▶ Marketing officer
- ▶ Digital business specialist

### CENTRE OF ENTREPRENEURSHIP

Do you have an entrepreneurial mindset? UCG is the only University College in the Netherlands with an Centre of Entrepreneurship embedded within its faculty. This gives UCG students access to an exclusive track at the Centre of Entrepreneurship. The Centre of Entrepreneurship enhances the UCG experience in several ways.

#### PERKS OF UGCE

- ▶ VentureLab Weekend
- ▶ Minor in Entrepreneurship
- ▶ VentureLab North accelerator
- ▶ Social Entrepreneurship track
- ▶ Courses on Entrepreneurship
- ▶ Internship & Thesis supervision



**International Relations & International Law**  
Specialisation on international relations, politics and international law.



**International Business & Entrepreneurship**  
Interdisciplinary specialisation on an entrepreneurial mindset and international business and economics.



**UGCE**  
Unique track for UCG students: Social Entrepreneurship.

# Majors & Major Specialisations

## Major: Humanities

Are you interested in culture, language, philosophy, literature, religion, history or the arts? Do you like **ethics, culture, human geography, art** or **philosophy**? This is the major for you. The Sciences Major has one major specialisation: **Culture and Social Change**. Within the Major Humanities, this specialisation can, but does not need to be followed. It is addressed to students who are particularly interested in human culture and its evolution and the ways in which insights in culture can be used to bring about social change.

### CULTURE AND SOCIAL CHANGE

In the Humanities we study human culture. Human culture is everywhere: it encompasses whatever humans think and do. Think about technology, the arts, language, politics, and science. At UCG we focus on the ways in which insights in culture can be used to bring about social change. Areas of study we cover are: media and technology, gender, the arts, history, the public sphere, philosophy, culture and cognition.

### CAREER PATHS

- ▶ Journalist
- ▶ Communications advisor
- ▶ Public Relations officer
- ▶ Spokesperson
- ▶ Academic worker
- ▶ Public sector worker

## Free Major

At UCG, you have the option to design **your own major**. Do you want to combine Mind and Behaviour with Humanities? Are you preparing for an MA in International Relations or Chemistry? With the help and support of your tutor, you can create **your own unique curriculum**. You can combine courses that we offer at UCG with courses from the other faculties of the University of Groningen to fit your specific needs. All UCG students will continue to be part of the core group and project-work together, so you will be able to bring your particular specific (inter-) disciplinary expertise into your UCG projects.

MAJOR STYLES	FREEDOM	ROUTED	HIGHLIGHTS
<b>Free Major</b>	+++	+	You take advantage of the full breadth of courses offered at UCG, across the three disciplines.
<b>Major SC, SS or HU</b>	++	++	You choose a 'disciplinary home' and elect courses freely from the available choices within a major.
<b>Specialisation within Major</b>	+	+++	You develop a specific academic profile within a major, called the major specialisations.



### Culture & Social Change

Broad specialisation on cultural studies, linguistics, literature, philosophy, art, religion and history.



### Examples Free Major:

- ▶ Artificial Intelligence
- ▶ Peace & Conflict
- ▶ Sciences & Business Entrepreneurship