

Bachelor in Geography : General

Reading, analysis and production of maps, practical work, documentary research, excursions, oral presentations, etc., alone or in groups: through a variety of methods, geography training offers a solid education in the exact, natural and human sciences. It covers the basic tools and knowledge needed to analyse the spatial distribution of various phenomena and the interactions between human beings and their environment. They introduce from the first year several courses in both physical and human geography, but also courses in geomatics. In physical geography, the courses deal with the formation of territories and their evolution under the influence of climate. In human geography, the courses offer keys to reading the spatial distribution of people and their activities at different scales (from the city to the continent) and throughout the world.

Bloc 1 | BA-GEOG

Cours obligatoires

- CHIM-F101** [Chimie générale](#) | Thierry VISART DE BOCARME (Coordinator), François RENIERS and Laurence RONGY
 10 credits [lecture: 72h, tutorial classes: 36h, practical work: 12h, project: 24h] first and second terms French
- ENVI-F1001** [Sciences de la Terre, Environnement et Société](#) | Pierre REGNIER (Coordinator), Jean-Michel DECROLY and Frank PATTYN
 5 credits [lecture: 48h, field trips: 12h] first and second terms French
- GEOG-F1001** [Introduction à la géographie urbaine et à l'urbanisme : des données à l'analyse](#) | Eléonore WOLFF (Coordinator) and Mathieu VAN CRIEKINGEN
 10 credits [lecture: 24h, practical work: 60h, field trips: 8h, project: 60h] second term French
- GEOG-F102** [Géomorphologie structurale et dynamique](#) | Frank PATTYN (Coordinator)
 5 credits [lecture: 20h, practical work: 24h, field trips: 8h, project: 10h] second term French
- GEOG-F103** [Fondements de la géographie humaine](#) | Jean-Michel DECROLY (Coordinator)
 5 credits [lecture: 36h, project: 20h] second term French
- GEOG-F105** [Géologie de l'Europe](#) | Vinciane DEBAILLE (Coordinator) and Steeve BONNEVILLE
 5 credits [lecture: 16h, field trips: 16h] second term
- MATH-F119** [Mathématiques](#)
 10 credits [lecture: 60h, tutorial classes: 60h] academic year French
- PHYS-F104** [Physique 1](#) | Barbara CLERBAUX (Coordinator), Sébastien CLESSE and Michele SFERRAZZA
 10 credits [lecture: 72h, tutorial classes: 36h] first and second terms French

Bachelor in Geography : General

Bloc 2 | BA-GEOG

Cours obligatoires

BIOL-F102	Biologie générale Patrick MARDULYN (Coordinator) and Etienne MEYLAN ⌚ 5 credits [lecture: 48h] 📅 second term 🗨️ French
ECON-D210	Economie politique générale Gani ALDASHEV (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨️ French
GEOG-F203	Climatologie et glaciologie Frank PATTYN (Coordinator) ⌚ 5 credits [lecture: 24h, practical work: 24h, project: 10h] 📅 second term 🗨️ French
GEOG-F207	Excursions de géographie I Jean-Michel DECROLY (Coordinator), François FRIPIAT and Frank PATTYN ⌚ 5 credits [field trips: 32h, project: 10h] 📅 second term 🗨️ French
GEOG-F210	Géographie de l'Europe Gilles VAN HAMME (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨️ French
GEOG-F315	Analyses et représentations spatiales Eléonore WOLFF (Coordinator) ⌚ 5 credits [lecture: 24h, practical work: 36h, project: 70h] 📅 first and second terms 🗨️ French
GEOL-F2001	Introduction à la minéralogie et à la pédologie Steeve BONNEVILLE (Coordinator) and Thomas DROUET DE LA THIBAUDERIE ⌚ 5 credits [lecture: 28h, practical work: 12h, field trips: 12h] 📅 first term 🗨️ French
INFO-F206	Informatique Olivier MARKOWITCH (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 24h, project: 12h] 📅 first term 🗨️ French
LANG-F201	Anglais scientifique I Alexander CORNFORD (Coordinator) ⌚ 5 credits [tutorial classes: 48h] 📅 second term 🗨️ English
MATH-F316	Biogéostatistiques Thomas VERDEBOUT (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 24h] 📅 second term 🗨️ French

Formation complémentaire en sciences exactes

One course chosen from the following

CHIM-F1101 (optional)	Chimie générale Thierry VISART DE BOCARME (Coordinator), François RENIERS and Laurence RONGY ⌚ 5 credits [lecture: 12h, tutorial classes: 12h, practical work: 36h] 📅 second term
MATH-F115 (optional)	Compléments d'analyse et algèbre linéaire Joel FINE (Coordinator) and Michele D'ADDERIO ⌚ 5 credits [lecture: 30h, tutorial classes: 24h] 📅 second term 🗨️ French
PHYS-F205 (optional)	Physique 2 Michel TYTGAT (Coordinator) and Michele SFERRAZZA ⌚ 5 credits [lecture: 24h, tutorial classes: 14h, practical work: 22h] 📅 first term 🗨️ French

Options dirigées

A total of five credits chosen from the following

Sciences de l'environnement

- CHIM-F102 (optional) **Chimie organique 1** | Cécile MOUCHERON (Coordinator)
⌚ 5 credits [lecture: 30h, tutorial classes: 18h] 📅 second term 🗨 French
- CHIM-F1101 (optional) **Chimie générale** | Thierry VISART DE BOCARME (Coordinator), François RENIERS and Laurence RONGY
⌚ 5 credits [lecture: 12h, tutorial classes: 12h, practical work: 36h] 📅 second term
- GEOL-F104 (optional) **Les temps géologiques : concepts et méthodes** | Sandra ARNDT (Coordinator) and Goulven GILDAS LARUELLE
⌚ 5 credits [lecture: 24h, practical work: 24h] 📅 second term 🗨 French
- GEOL-F204 (optional) **Sédimentologie** | Xavier DEVLEESCHOUWER (Coordinator)
⌚ 5 credits [lecture: 24h, practical work: 12h, field trips: 24h] 📅 second term 🗨 French
- GEOL-F211 (optional) **Introduction à la pétrologie** | Nadine MATTIELLI (Coordinator)
⌚ 5 credits [lecture: 12h, practical work: 34h, field trips: 16h] 📅 second term 🗨 French
- GEOL-F307 (optional) **Cycle de la matière et de l'énergie dans les systèmes géologiques** | Pierre REGNIER (Coordinator) and Steeve BONNEVILLE
⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 second term 🗨 French
- MATH-F115 (optional) **Compléments d'analyse et algèbre linéaire** | Joel FINE (Coordinator) and Michele D'ADDERIO
⌚ 5 credits [lecture: 30h, tutorial classes: 24h] 📅 second term 🗨 French
- PHYS-F105 (optional) **La structure de l'univers** | Alain JORISSEN (Coordinator) and Rodrigo ALVAREZ
⌚ 5 credits [lecture: 48h] 📅 first term 🗨 French
- PHYS-F205 (optional) **Physique 2** | Michel TYTGAT (Coordinator) and Michele SFERRAZZA
⌚ 5 credits [lecture: 24h, tutorial classes: 14h, practical work: 22h] 📅 first term 🗨 French
- TRAN-F201 (optional) **Introduction aux enjeux de la durabilité** | Wouter ACHTEN (Coordinator) and Chiara ARMENI
⌚ 5 credits [lecture: 24h, project: 24h] 📅 second term 🗨 French

Sciences sociales

- ETHI-F201 (optional) **Sciences, éthique, histoire et société** | Grégoire Wallenborn (Coordinator) and Eric MURAILLE
⌚ 5 credits [lecture: 48h] 📅 second term 🗨 French
- HIST-B115 (optional) **Histoire de l'Epoque contemporaine** | Pieter LAGROU (Coordinator)
⌚ 5 credits [lecture: 48h] 📅 first term 🗨 French
- HIST-D102 (optional) **Critique historique appliquée aux sciences sociales** | Didier VIVIERS (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
- HIST-S101 (optional) **Introduction à l'histoire globale du capitalisme** | Kenneth BERTRAMS (Coordinator)
⌚ 5 credits [lecture: 36h] 📅 second term 🗨 French
- POLI-D101 (optional) **Introduction à la science politique** | Pascal DELWIT (Coordinator)
⌚ 5 credits [lecture: 30h] 📅 first term 🗨 French
- SOCA-D101 (optional) **Anthropologie sociale et culturelle I** | Joël Noret (Coordinator)
⌚ 5 credits [lecture: 36h] 📅 first term 🗨 French
- SOCA-D201 (optional) **Anthropologie sociale et culturelle II** | David BERLINER (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨 French
- SOCA-D308 (optional) **Anthropologie économique** | Olivia Ange (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
- SOCA-D494 (optional) **Sociologie de la ville** | Pierre LANNOY (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
- TRAN-F201 (optional) **Introduction aux enjeux de la durabilité** | Wouter ACHTEN (Coordinator) and Chiara ARMENI
⌚ 5 credits [lecture: 24h, project: 24h] 📅 second term 🗨 French



Bachelor in Geography : General

Bloc 3 | BA-GEOG

Cours obligatoires

- BIOL-F305 **Botanique, phytogéographie et ethnoécologie** | Farid DAHDOUH-GUEBAS (Coordinator)
 5 credits [lecture: 24h, practical work: 15h, field trips: 12h] second term English/French
- GEOG-F211 **Systèmes d'information géographique et projections** | Eléonore WOLFF (Coordinator) and Michele D'ADDERIO
 5 credits [lecture: 24h, practical work: 36h] second term French
- GEOG-F307 **Excursions de géographie II** | Jean-Michel DECROLY (Coordinator), François FRIPIAT and Frank PATTYN
 5 credits [field trips: 32h, project: 40h] second term French
- GEOG-F313 **Géographie régionale** | Jean-Michel DECROLY (Coordinator), Gilles VAN HAMME and Eléonore WOLFF
 10 credits [lecture: 48h, practical work: 12h, project: 80h] first and second terms French
- GEOG-F318 **Projet de recherche et communication scientifique** | Jean-Michel DECROLY (Coordinator)
 5 credits [practical work: 12h, project: 60h] first and second terms French
- GEOG-S101 **Géographie économique** | Gilles VAN HAMME (Coordinator)
 5 credits [lecture: 48h] second term French
- GEOG-F309 **Géophysique et tectonophysique** | Corentin CAUDRON (Coordinator), Thomas LECOQ and Frank PATTYN
 5 credits [lecture: 32h, tutorial classes: 12h, field trips: 16h] first term French
- LANG-F301 **Anglais scientifique II** | Hugh MURPHY (Coordinator) and Alexander CORNFORD
 5 credits [tutorial classes: 48h] first term English
- SOCA-D304 **Démographie** | Jean-Michel DECROLY (Coordinator)
 5 credits [lecture: 24h, tutorial classes: 12h] first term French



































Options dirigées

10 crédits à choisir en Bloc 3 (15 crédits sur le cycle)

10 to 15 credits chosen from the following

Sciences de l'environnement

- BIOL-F201 **Evolution et diversité des eucaryotes : botanique** | Pierre Jacques MEERTS (Coordinator)
 (optional) 5 credits [lecture: 42h] academic year French
- BIOL-F309 **Ecologie** | Isabelle GEORGE (Coordinator)
 (optional) 5 credits [lecture: 30h, practical work: 30h] first term French
- CHIM-F102 **Chimie organique 1** | Cécile MOUCHERON (Coordinator)
 (optional) 5 credits [lecture: 30h, tutorial classes: 18h] second term French
- CHIM-F1101 **Chimie générale** | Thierry VISART DE BOCARME (Coordinator), François RENIERS and Laurence RONGY
 (optional) 5 credits [lecture: 12h, tutorial classes: 12h, practical work: 36h] second term
- GEOG-F104 **Les temps géologiques : concepts et méthodes** | Sandra ARNDT (Coordinator) and Goulven Gildas LARUELLE
 (optional) 5 credits [lecture: 24h, practical work: 24h] second term French

<p>GEOL-F204 (optional)</p>	<p>Sédimentologie Xavier DEVLEESCHOUWER (Coordinator) 5 credits [lecture: 24h, practical work: 12h, field trips: 24h]  second term  French</p>
<p>GEOL-F211 (optional)</p>	<p>Introduction à la pétrologie Nadine MATTIELLI (Coordinator) 5 credits [lecture: 12h, practical work: 34h, field trips: 16h]  second term  French</p>
<p>GEOL-F307 (optional)</p>	<p>Cycle de la matière et de l'énergie dans les systèmes géologiques Pierre REGNIER (Coordinator) and Steeve BONNEVILLE 5 credits [lecture: 36h, tutorial classes: 24h]  second term  French</p>
<p>MATH-F115 (optional)</p>	<p>Compléments d'analyse et algèbre linéaire Joel FINE (Coordinator) and Michele D'ADDERIO 5 credits [lecture: 30h, tutorial classes: 24h]  second term  French</p>
<p>PHYS-F105 (optional)</p>	<p>La structure de l'univers Alain JORISSEN (Coordinator) and Rodrigo ALVAREZ 5 credits [lecture: 48h]  first term  French</p>
<p>PHYS-F205 (optional)</p>	<p>Physique 2 Michel TYTGAT (Coordinator) and Michele SFERRAZZA 5 credits [lecture: 24h, tutorial classes: 14h, practical work: 22h]  first term  French</p>
<p>TRAN-F201 (optional)</p>	<p>Introduction aux enjeux de la durabilité Wouter ACHTEN (Coordinator) and Chiara ARMENI 5 credits [lecture: 24h, project: 24h]  second term  French</p>
<p>Sciences sociales</p>	
<p>ETHI-F201 (optional)</p>	<p>Sciences, éthique, histoire et société Grégoire Wallenborn (Coordinator) and Eric MURAILLE 5 credits [lecture: 48h]  second term  French</p>
<p>HIST-B115 (optional)</p>	<p>Histoire de l'Epoque contemporaine Pieter LAGROU (Coordinator) 5 credits [lecture: 48h]  first term  French</p>
<p>HIST-D102 (optional)</p>	<p>Critique historique appliquée aux sciences sociales Didier VIVIERS (Coordinator) 5 credits [lecture: 24h]  second term  French</p>
<p>HIST-S101 (optional)</p>	<p>Introduction à l'histoire globale du capitalisme Kenneth BERTRAMS (Coordinator) 5 credits [lecture: 36h]  second term  French</p>
<p>POLI-D101 (optional)</p>	<p>Introduction à la science politique Pascal DELWIT (Coordinator) 5 credits [lecture: 30h]  first term  French</p>
<p>SOCA-D101 (optional)</p>	<p>Anthropologie sociale et culturelle I Joël Noret (Coordinator) 5 credits [lecture: 36h]  first term  French</p>
<p>SOCA-D201 (optional)</p>	<p>Anthropologie sociale et culturelle II David BERLINER (Coordinator) 5 credits [lecture: 24h, tutorial classes: 24h]  second term  French</p>
<p>SOCA-D308 (optional)</p>	<p>Anthropologie économique Olivia Ange (Coordinator) 5 credits [lecture: 24h]  first term  French</p>
<p>SOCA-D494 (optional)</p>	<p>Sociologie de la ville Pierre LANNOY (Coordinator) 5 credits [lecture: 24h]  first term  French</p>
<p>TRAN-F201 (optional)</p>	<p>Introduction aux enjeux de la durabilité Wouter ACHTEN (Coordinator) and Chiara ARMENI 5 credits [lecture: 24h, project: 24h]  second term  French</p>