

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** | Laurence RONGY (Coordinator), François RENIERS and Thierry VISART DE BOCARME
 ⌚ 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 tectonique** | 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: 24h] 📅 second term
- MATH-F112** | **Mathématiques 1** | Dimitri LEEMANS (Coordinator), Michele D'ADDERIO and Bruno PREMOSSELLI
 ⌚ 10 credits [lecture: 60h, tutorial classes: 60h] 📅 first and second terms 🗨 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 géomorphologie glaciaire** | 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: 12h, project: 24h] first term French
- LANG-F201 **Anglais scientifique I** | Alexander CORNFORD (Coordinator), David Albert BEST and Hugh MURPHY
 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** | Laurence RONGY (Coordinator), François RENIERS and Thierry VISART DE BOCARME
 5 credits [lecture: 12h, tutorial classes: 12h, practical work: 36h] second term
- MATH-F115 (optional) **Compléments d'analyse et algèbre linéaire** | Joel FINE (Coordinator), Michele D'ADDERIO and Laurent LA FUENTE-GRAVY
 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** | Laurence RONGY (Coordinator), François RENIERS and Thierry VISART DE BOCARME
⌚ 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: 36h] 📅 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: 36h, 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
- GEOL-F309 (optional) **Géophysique et tectonophysique** | Corentin CAUDRON (Coordinator) and Thomas LECOCC
⌚ 5 credits [lecture: 22h, tutorial classes: 12h, seminars: 10h, field trips: 16h] 📅 first term 🗣️ French
- MATH-F115 (optional) **Compléments d'analyse et algèbre linéaire** | Joel FINE (Coordinator), Michele D'ADDERIO and Laurent LA FUENTE-GRAVY
⌚ 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] 📅 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) and Victor FERNANDEZ SORIANO
⌚ 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) and Giulia Mensitieri
⌚ 5 credits [lecture: 24h] 📅 second 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] 📅 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), Michele D'ADDERIO and Julie DE SAEDELEER ⌚ 5 credits [lecture: 24h, practical work: 36h, project: 40h] 📅 second term 🗨 French
GEOG-F301	Géomorphologie fluviale et littorale Frank PATTYN (Coordinator) ⌚ 5 credits [lecture: 24h, practical work: 24h, field trips: 8h, project: 16h] 📅 first 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
LANG-F301	Anglais scientifique II Hugh MURPHY (Coordinator), David Albert BEST 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 (optional)	Evolution et diversité des eucaryotes : botanique Pierre Jacques MEERTS (Coordinator) and Jason VLEMINCKX ⌚ 5 credits [lecture: 42h] 📅 academic year 🗨 French
BIOL-F309 (optional)	Ecologie Pierre Jacques MEERTS (Coordinator) and Jason VLEMINCKX ⌚ 5 credits [lecture: 30h, practical work: 30h] 📅 first term 🗨 French
CHIM-F102 (optional)	Chimie organique 1 Cécile MOUCHERON (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 18h] 📅 second term 🗨 French
CHIM-F1101 (optional)	Chimie générale Laurence RONGY (Coordinator), François RENIERS and Thierry VISART DE BOCARME ⌚ 5 credits [lecture: 12h, tutorial classes: 12h, practical work: 36h] 📅 second term
GEOG-F104 (optional)	Les temps géologiques : concepts et méthodes Sandra ARNDT (Coordinator) and Goulven Gildas LARUELLE ⌚ 5 credits [lecture: 24h, practical work: 36h] 📅 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: 36h, 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
GEOL-F309 (optional)	Géophysique et tectonophysique Corentin CAUDRON (Coordinator) and Thomas LECOCC ⌚ 5 credits [lecture: 22h, tutorial classes: 12h, seminars: 10h, field trips: 16h] 📅 first term 🗨 French
MATH-F115 (optional)	Compléments d'analyse et algèbre linéaire Joel FINE (Coordinator), Michele D'ADDERIO and Laurent LA FUENTE-GRAVY ⌚ 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] 📅 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) and Victor FERNANDEZ SORIANO ⌚ 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) and Giulia Mensitieri ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
SOCA-D494 (optional)	Sociologie de la ville Pierre LANNNOY (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] 📅 second term 🗨 French

