

ACM Amsterdam: Sciences, Global Health, and Interdisciplinary Studies at VU Amsterdam

Science Minor Options*

*For non-science minors, please see 300 English-taught [course listings](#)

ACM Amsterdam: Sciences, Global Health, and Interdisciplinary Studies at VU Amsterdam, will open in Fall 2017. ACM students will have the option of choosing a set combination of courses in one specific field, known as a Minor.

Minors are organized in 10 fields in the Earth & Life Sciences, and some fields are divided into two tracks. In most fields, two courses are offered in Period 1 (Sept-Oct) and two courses in Period 2 (Nov-Dec). Course lists for the Minors are published well in advance, so students can communicate with an advisor in the VU Amsterdam International Office during the application process and finalize their course choices shortly after they are admitted to the program. Students are required to enroll in 30 credits total in Periods 1 and 2. Each Minor course is equivalent to six (6) credits in the European Credit Transfer System (ECTS). Students can choose to take the Independent Study Course in addition to their four elective choices or in place of one of their electives. The Independent Study Project (ISP) is a full semester project. The ISP is supervised by the ACM Visiting Faculty Director.

For further information, contact Joan Gillespie, jgillespie@acm.edu or Marlee Stein, mstein@acm.edu.

Minors Earth & Life Sciences*

- Biomedical and Health Interventions
 - Global Health Track
 - Interventions Track
- Biomedical Topics in Health Care
- Biomolecular & Neurosciences
 - Biomolecular Sciences Track
 - Neurosciences track
- Brain and Mind
- Earth Surface
 - Earth Sciences track
- Evolutionary Biology and Ecology
- Global Health
- Solid Earth
- Topics in Biomedical Sciences

*Please see below for lists of courses and links to class descriptions in each minor

Minors Earth and Life Sciences

Biomedical and Health Interventions

→Global Health Track

Name	Period	Credits	Code
<u>Future Challenges in Global Health</u>	Period 1	6.0	AB_1042
<u>Key Strategies in Disability and Neuropathy</u>	Period 1	6.0	AB_1045
<u>Double Burden of Disease</u>	Period 2	6.0	AB_1109
<u>Drivers of Change in Global Health</u>	Period 2	6.0	AB_1108

→Interventions Track

Name	Period	Credits	Code
<u>Future Challenges in Global Health</u>	Period 1	6.0	AB_1042
<u>Key Strategies in Disability and Neuropathy</u>	Period 1	6.0	AB_1045
<u>Clinical Trials and Health Care</u>	Period 2	6.0	AB_1043
<u>Tailoring Medicine and Telemedicine</u>	Period 2	6.0	AB_1044

Biomedical Topics in Health Care

Name	Period	Credits	Code
<u>Heart Failure and Therapy</u>	Period 1	6.0	AB_1211
<u>Neurological and Psychiatric Disorders</u>	Period 1	6.0	AB_1023
<u>Genetics and Public Health</u>	Period 2	6.0	AB_1025
<u>Oncology and Public Health</u>	Period 2	6.0	AB_1027

Biomolecular & Neurosciences

→ Biomolecular Sciences Track

Name	Period	Credits	Code
Experimental Cell Biology I	Period 1	6.0	AB_1047
Experimental Cell Biology II	Period 1	6.0	AB_1048
From Protein to Cell	Period 2	6.0	AB_1052
Molecular Cell Biology	Period 2	6.0	AB_1053

→ Neurosciences Track

Name	Period	Credits	Code
Experimental Cell Biology I	Period 1	6.0	AB_1047
Experimental Cell Biology II	Period 1	6.0	AB_1048
Molecular Principles of Brain Disorders	Period 2	6.0	AB_1049
The Adaptive Brain	Period 2	6.0	AB_1050

Brain and Mind

Name	Period	Credits	Code
Cognitive Neuroscience	Period 1	6.0	AB_1056
Nature versus Nurture	Period 1	6.0	AB_1057
Brain in Trouble	Period 2	6.0	AB_1038
The Developing Brain	Period 2	6.0	AB_1059

Earth Surface

→Earth Sciences Track

Name	Period	Credits	Code
<u>Climate Science</u>	Period 1	6.0	AB_1102
<u>Geobotany and Eco-Hydrology</u>	Period 1	6.0	AB_1092
<u>Hydrologie van Nederland</u>	Period 2	6.0	AB_450085
<u>Introduction to Biogeosciences</u>	Period 2	6.0	AB_1094
<u>Sedimentary Environments</u>	Period 2	6.0	AB_1093
<u>Sociale geografie I</u>	Period 2	6.0	AB_450099

Evolutionary Biology and Ecology

Name	Period	Credits	Code
<u>Ecosystem Modeling</u>	Period 1	6.0	AB_1218
<u>Environmental Toxicology</u>	Period 1	6.0	AB_1020
<u>Adaptation to Human Environments</u>	Period 2	6.0	AB_1219
<u>Behavioural Biology</u>	Period 2	6.0	AB_1041

Global Health

Name	Period	Credits	Code
<u>Future Challenges in Global Health</u>	Period 1	6.0	AB_1042
<u>Key Strategies in Disability and Neuropathy</u>	Period 1	6.0	AB_1045
<u>Double Burden of Disease</u>	Period 2	6.0	AB_1109
<u>Drivers of Change in Global Health</u>	Period 2	6.0	AB_1108

Solid Earth

Name	Period	Credits	Code
<u>Historical Geology and Sedimentology</u>	Period 1	6.0	AB_1097
<u>Petrology of System Earth</u>	Period 1	6.0	AB_1098
<u>Hydrologie van Nederland</u>	Period 2	6.0	AB_450085
<u>Introduction to Biogeosciences</u>	Period 2	6.0	AB_1094
<u>Isotope Geochemistry</u>	Period 2	6.0	AB_1104
<u>Social geografie I</u>	Period 2	6.0	AB_450099

Topics in Biomedical Sciences

Name	Period	Credits	Code
<u>Antimicrobials Compounds: From Clinical Use to Target Analysis and Drug Development</u>	Period 1	6.0	AB_1122
<u>Biochemistry in Health and Disease</u>	Period 1	6.0	AB_1054
<u>Experimental Immunology</u>	Period 2	6.0	AB_1055
<u>Molecular Principles of Brain Disorders</u>	Period 2	6.0	AB_1049