|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Environmental Science** | | | Appendix 1 | 120 |
| **Mandatory part** | | |  | 84 |
| **Mandatory part** | | |  | 72 |
| [Soil Science](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog1060&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=41379db1e5baf0c0739f571eef21c54e) | 4 |
| [Bachelor thesis project in environmental science](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2040&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=e98a9e6c312742be85a5a08dd9a462cd) | 4 |
| [Biology in the laboratory](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=Biol1000&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=8cbab3c857cc2fc644f7fc41b7b8bf3a) | 4 |
| [Natural diversity and protection](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2000&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=db79aab77e1b5355fb69f0cd0e3c3647) | 4 |
| [Occupational and Civil Safety](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=SDSK1115&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=b22f5ee5d9c908ef4e2fea01f581bf9a) | 4 |
| [Data Analysis in Environmental and Geosciences](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ1008&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=d609774f5456923a9d121bc826601921) | 5 |
| [Ecology with Basis of Landscape Ecology](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2006&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=3ab13c611f44e6380a18200cb3f9a6cd) | 4 |
| [Hydrology](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog2003&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=0079338a5a40a3a6a7e57d26a237e40b) | 4 |
| [Introduction in Earth Sciences](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=SDSK1096&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=b063383667a114ba5026cc41ddabf2b2) | 4 |
| [Introduction to Environmental Science Studies](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ1013&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=3b5d1631d8d9bb7b9586864f68e7eb39) | 4 |
| [Maps, remote sensing and GIS](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog1018&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=584c7e291148f2b9e53186bb1824395b) | 5 |
| [Climatography and Basics of Meteorology](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog1085&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=cf836718794a3cb320e42d5c22d6290b) | 4 |
| [Field Course](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ1029&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=8158bd967579208cc92bef80314c3c69) | 4 |
| [Field methods of environment and Earth Sciences](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ1028&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=c3f3181d86258d823a56fc60e842db56) | 5 |
| [Environmental economy](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=Ekon3051&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=2e97a0151ee91678192883a466d82dbf) | 4 |
| [Environmental Management](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3010&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=6374f081fb78b3cb4ce69498406d8b8c) | 5 |
| [Environmental technologies](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ4000&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=ce0655c0257e2915ada2ee537d8b494b) | 4 |
| [Environmental Law](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=JurZ3025&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=1eb43de8757ebc8a239b3fe4e0cd14f4) | 3 |
| [Environmental science basics](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZP083&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=be3263b78e8b208302f1041743ee4ac9) | 3 |
| [Environmental chemistry](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2023&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=4c5649232cc8a3809e398ab3de870048) | 6 |
| [Earth Physics](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=Fizi1010&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=26381a54c9ea85cc2b94ccb6bfd147bb) | 3 |
| [Chemistry for environmental and Earth sciences](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%B6%C4%ABmi1038&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=9fa1e0933882460ad39a0c457d8ee7ef) | 3 |
| **Foreign language** | | |  | 2 |
| [English I](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=Valo1013&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=c88b3262bc59ed99ac835a9335b470ba) | 2 |
| **Final examination** | | |  | 10 |
| [B.Sc. Thesis](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ4009&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=b773964a69972b91209a9f3bfe9d7efb) | Bachelor`s Thesis | 15 |
| **Restricted elective courses** | | |  | 34 |
| [Waste management basics](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2038&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=53ed264e0de18d647a50980c57330a68) | 4 |
| [Environment and protection of the Baltic Sea](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3011&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=0260e213d099b3b32f7c6a4bd348a7d3) | 3 |
| [Nature Protection](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2011&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=419320d5ffe9a497b5ff3694f920b9b2) | 3 |
| [Frameworks for sustainable alternatives](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ1043&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=b69088624e9a496a466c8b46f7a342c5) | 4 |
| [Frameworks for Sustainable Alternatives](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3000&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=062859e8a799c4caf2c7f9bb8f5f2977) | 6 |
| [Climate and Sustainable Development](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ1033&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=876c70cd0dd93b8d65361417fb884d6a) | 2 |
| [Weather practical forecasting](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog1019&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=ba7fa12637959aa97e5db954e95a679f) | 2 |
| [Soils and Wildlife of Latvia](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog2020&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=d906baab9313bfad7b2056fc60089a2b) | 3 |
| [Climate and Surface Water of Latvia](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog3006&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=f088a5cbf6bb4d0d2c7a51eef244b563) | 3 |
| [Ecology of Latvian surface waters](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3033&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=0aad48a77f8434852896f7f650d14a98) | 3 |
| [Applied studies in principles of environmental sciences](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3032&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=00157edaace69e948c57b8d6707db8d0) | 3 |
| [Principles of paleoecology](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2036&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=03f2f47a63ed8c01e078b8e9ef146fb9) | 3 |
| [Assessment and Management of Resources](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3013&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=241ce18df26f7f1a710c3bb36e683186) | 4 |
| [Environmental bioindication](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2022&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=ddae20208db79e1907f23e17e7ea14a3) | 2 |
| [Environmental Monitoring and Its Methods](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2007&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=158203dd3166d862513136e4ea3ddad2) | 3 |
| [Environmental pollution](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ2008&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=55f48d6f6a3299226b1c7e65b2e52545) | 3 |
| [Institutional system of environmental governance](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3034&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=2682cfd3277d99f339b589fbdbdfe6d4) | 2 |
| [Environmental Geology](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ3006&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=c2ef273111a7ce09c08503fc559fa8d0) | 3 |
| [Protection of fish resources](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=VidZ4016&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=a97836e8f381022c4ba9891226fa0451) | 2 |
| [Geographical Information Systems](https://www.lu.lv/en/nc/studies/study-process/courses/courses/?tx_lustudycatalogue_pi1%5Bcourse%5D=%C4%A2eog2088&tx_lustudycatalogue_pi1%5Baction%5D=detail&tx_lustudycatalogue_pi1%5Bcontroller%5D=Course&cHash=f5aa86477fdf2cc86db051b4dc34cbbf) | 4 |
| **Elective courses** | | |  | 2 |