

Students must decide for **one** specific area within the Interdisciplinary Electives and attend at least two courses worth 8-12 credits within this area.

The interdisciplinary elective Social Networks offers an in-depth treatment of theory, methods, and applications of networks in different scientific disciplines, particularly in the social sciences. Students will develop hands-on skills in social network analysis and thus be enabled to design and conduct social network research studies.

This course compilation builds upon those Data Science courses that include elements of statistics, graph theory, and research design.

Number	Title	Credits	Semester	Language
851-0252-15L	Network Analysis	3	autumn	EN
851-0252-13L	Network Modeling	3	autumn	EN
851-0586-03 L	Applied Network Science	3	autumn / spring	EN
851-0252-06 L	Introduction to Social Networks: Theory, Methods and Applications	3	spring	EN
851-0252-07 L	Humans and Social Networks in the Digital Age	3	spring	EN
851-0254-00 L	Network Science Project	3	spring	EN
363-1091-00 L	Social Data Science	3	spring	EN
263-4509-00L	Complex Network Models	5	spring	EN

It is advisable to have taken one of Network Analysis or Modeling before doing a project. This is not required for the seminar.