

Basic (85h)

COURSE	ACRONYM	HOURS	CORRESPONDING PA TOPICS
Basics of geomatics	BOG	10	All topics
Introduction to GIS	GIS	15	All topics
Spatial Databases	SDB	25	All topics
Spatial data capture	SDC	10	All topics
Spatial data management & data harmonisation	SDM	25	All topics

Intermediate* (40h)

COURSE	ACRONYM	HOURS	CORRESPONDING PA TOPICS	PREREQUISITES
Introduction to Remote sensing	IRS	20	Remote Sensing GIS Remote device AUV/UAV Spatial Analysis for Various Applications Spatial data capture and Infrastructures	Basic Courses
Introduction to Geodetic Reference Systems & Land Surveying	ILS	20	Land Surveying GIS Bathymetric Analysis Spatial data capture and Infrastructures	Basic Courses
Introduction to geoprocessing	IGP	20	Remote Sensing GIS Spatial Analysis for Various Applications	Basic Courses
Spatial simulation and modelling	SSM	20	GIS Spatial Analysis for Various Applications Spatial simulation and modelling	Basic Courses
Spatio-political analysis	SPA	20	GIS Spatial Analysis for Various Applications Spatio-political Analysis	Basic Courses
Spatial econometrics	SEC	20	GIS Spatial Analysis for Various Applications Spatial econometrics	Basic Courses
Geographic Information for management staff	GIMS	20	GIS Spatial Analysis for Various Applications Geographic Information for management staff	Basic Courses

*The students choose 2 of the 7 courses.

Applications**(25h)

COURSE	ACRONYM	HOURS	CORRESPONDING PA TOPICS	PREREQUISITES L4
Spatial Analysis for Various Applications	VASA	25	GIS Spatial Analysis for Various Applications Remote Sensing Spatial data capture and Infrastructures	Basic Courses At least one intermediate
Smart Cities and Networks	SCN	25	GIS Spatial Analysis for Various Applications Spatial data capture and Infrastructures Spatial simulation and modelling	Basic Courses
Aerial Photo, UAV/AUV	UAV	25	Remote device pilot/controller Remote Sensing Land Surveying Spatial data capture and Infrastructures	Basic Courses Introduction to Remote Sensing
Bathymetric Analysis	BMA	25	Bathymetric Analysis Land Surveying	Basic Courses

**The L4 students choose 1 course