Technische Hochschule Georg Agricola

1. Semester	2. Semester	3. Semester	4. Semester	
Advanced Mine Ventilation	Mine and Processing Site Planning, Feasibility Studies	Elective module	Masterthesis and Kolloquium	
Software Solutions for Mining Operations and Applied Artificial Intelligence	Advanced Recycling and Rare Earth Elements (REE)	Integrated Feasibility Studies		
Fundamentals of Geotechnical Safety Eng.	Advanced Mine Design and Innovation in Mining			
Adv Rock Mechanics, Ground Movements, Mining Damage				
Introduction to Post-Mining / Raw Materials / Geotechnical Engineering	Advanced Mineral Deposit and Mine Modelling	Applied Research and Project Phase		
Management Module 1	Adv. Geothermal Energy and Under-ground Storage	Scientific Publication		
	Land Restoration			
Management Module 2	Technical Excursion	Management Module 3		

Research Module | Major Module | Management Skills

Master Thesis | Major subject

Elective Management modules:

Module 3 out of 6

- Sustainable Managament and Communication
- Health and Safety, Environmental Aspects
- Project- and Riskmanagement
- Unternehmensführung im technischen Umfeld
- Sustainable Energy and Raw Materials Supply
- Baustellenmanagement

Elective Module:

A Major subject of MGRE-Focus: GT or NB

MGRE-MR Master Full-time
Georesource Engineering
Focus: Mineral Resource