

SAMPLE CURRICULUM (2024)							
1 st semester							
Code	Name	Type	Contact hour / semester	Working hour at home / semester	Credits	Course coordinator	Type of subject
	Basic space science	exam	20	130	5	Lichtenberger, János ELTE	compulsory
	History of the space research	midyear grade	10	80	3	Lichtenberger, János ELTE	compulsory
	Introduction to space technology	exam	20	130	5	Csurgai-Horváth, László BME	compulsory
	Space research and technology	midyear grade	10	80	3	Bacsárdi, László BME	compulsory
	Biology of the human body: Basic principles in a nutshell	exam	20	130	5	Magyar, János DE	compulsory
	Space nutrition, space food	exam	10	80	3	Friedrich, László MATE	compulsory
	Space Sector and Economic Development	exam	15	75	3	Parragh, Bianka NKE	compulsory
	Introduction to International Law	exam	15	75	3	Sulyok, Gábor SZE	compulsory
Total			120 hours	780 hours	30 credits		

SAMPLE CURRICULUM							
2 nd semester							
Code	Name	Type	Contact hour / semester	Working hour at home / semester	Credits	Course coordinator	Type of subject
	Earth Observation	exam	20	130	5	Földváry, Lóránt (BME ÉMK)	compulsory
	Flight hardware materials	exam	15	105	4	Bárczy, Pál (ME)	compulsory
	Space communications	exam	20	130	5	Vári, Péter (SZE)	compulsory
	Exercise of space missions with virtual tools	midyear grade	20	130	5	Kadocsa, László Gábor (DUE)	compulsory
	Basics Space Physics	midyear grade	20	130	3	Heilig, Balázs (ELTE)	compulsory
	International Space Organizations	midyear grade	10	140	3	Ganczer, Mónika (SZE)	compulsory
	Radiobiology	exam	20	130	5	Balkay, László (DE)	compulsory
Total			125 hours	775 hours	30 credits		

SAMPLE CURRICULUM							
3 rd semester							
Code	Name	Type	Contact hour / semester	Working hour at home / semester	Credits	Course coordinator	Type of subject
	Design thinking in the space industry	midyear grade	20	130	5	Húnfalvi, András (MOME)	compulsory
	Space robots and manipulators	midyear grade	20	130	5	Haidegger, Tamás (ÓE)	compulsory
	Thermodynamics of space equipment	midyear grade	20	130	5	Kovács, Róbert Sándor (BME GPK)	compulsory
	Rocket technology	exam	25	155	6	Feszty, Dániel (SZE)	compulsory
	European Union Space Policy	midyear grade	10	140	3	Aradi, Norbert (NKE)	compulsory
	The European Space Agency and its programmes	exam	10	140	3	Bartóki-Gönczy, Balázs (NKE)	compulsory
	Space Weather and Near Earth Object	midyear grade	10	140	3	Kis, Árpád (ELTE)	compulsory
Total			115 hours	785 hours	30 credits		

Used acronyms

BME: Budapest University of Technology and Economics

DE: University of Debrecen

DUE: University of Dunaújváros

ELTE: Eötvös Loránd Science University

GDE: Dennis Gábor University

ME: University of Miskolc

MATE: Hungarian University of Agriculture and Life Sciences

MOME: Moholy-Nagy University of Art and Design

NKE: Ludovika University of Public Service

ÓE: Óbuda University

PPKE: Pázmány Péter Catholic University

SZE: Széchenyi University

BME ÉMK: BME Faculty of Civil Engineering

BME GPK: BME Faculty of Mechanical Engineering

BME KJK: BME Faculty of Transportation Engineering and Vehicle Engineering

BME VIK: BME Faculty of Electrical Engineering and Informatics