# 5.3 PROGRAMME SCHEDULE

| Module | Credit Points | Courses | C/ CE | Sem.1 CP | Sem. 2 CP | Sem. 3 CP | Sem. 4 CP |
|---|---|---|---|---|---|---|---|
| **A Space Technology** | **min. 27** | | | | | | |
| Fundamentals of Space Technology | 9 | Fundamentals of Space Technology 1 | C | 6 | | | |
| | | Fundamentals of Space Technology 2 | | | 3 | | |
| Satellite Technology | 6 | Satellite Technology | C | 6 | | | |
| Space Electronics | 6 | Space Electronics 1 | C | 3 | | | |
| | | Space Electronics 2 | | | 3 | | |
| Radiation Workshop | 3 | Radiation Workshop | CE | | 3 | | |
| Spacecraft Dynamics and Control | 9 | Spacecraft Dynamics and Control 1 | CE | 3 | | | |
| | | Spacecraft Dynamics and Control 2 | | | 6 | | |
| Spacecraft Propulsion Systems | 6 | Spacecraft Propulsion Systems | CE | | | 6 | |
| Space Sensors and Instruments | 6 | Space Sensors and Instruments | CE | | 6 | | |
| **B Space System Design** | **min. 15** | | | | | | |
| Space System Design Project | 9 | Space System Design Project | C | | 9 | | |
| Space Technology Project | 9 | Space Technology Project | CE | | | 9 | |
| Planetary Exploration and Space Robotics 1 | 6 | Planetary Exploration and Space Robotics 1 | CE | | 6 | | |
| Planetary Exploration and Space Robotics 2 | 6 | Planetary Exploration and Space Robotics 2 | CE | | | 6 | |
| **C Space Operations** | **min. 12** | | | | | | |
| Space Mission Planning and Operations | 6 | Space Mission Planning and Operations | C | 6 | | | |
| Human Spaceflight | 6 | Technical Aspects of Human Spaceflight | CE | | 3 | | |
| | | Space Psychology | | 3 | | 3 | |
| Space Flight Mechanics | 6 | Space Flight Mechanics | CE | | | 6 | |
| Introduction to Satellite Geodesy | 6 | Introduction to Satellite Geodesy | CE | 6 | | 6 | |
| Satellite Communication | 6 | Satellite Communication | CE | | | 6 | |
| **D Interdisciplinary** | **min. 6** | | | | | | |
| Project Management | 6 | Project Management | CE | 6 | | 6 | |
| Innovation Management and Entrepreneurship | 6 | Innovation Management and Entrepreneurship | CE | 6 | | 6 | |
| Soft Skills | 3 | Soft Skills | CE | 3 | | 3 | |
| German for Engineers A1.1 | 3 | German for Engineers A1.1 | CE | 3 | | 3 | |
| German for Engineers A1.2 | 3 | German for Engineers A1.2 | CE | | 3 | | |
| German for Engineers A2.1 | 3 | German for Engineers A2.1 | CE | 3 | | 3 | |
| German for Engineers A2.2 | 3 | German for Engineers A2.2 | CE | | 3 | | |
| **Total (modules only)** | **90** | | | | | | |
| | | | | | | | |
| **Master thesis** | **30** | | | | | | 30 |
| | | | | | | | |
| **Total** | **120** | | | | | | **120** |