

Sample SaTec Coursework

| Programme: | | Satellite Technology (Master of Science) | | |
|------------------------------|--|---|------------|-----------|
| | | 120 ECTS Points | | |
| Sem | Module | Type | ECTS | SWS |
| 1. | Control Engineering in Space I | WPF | 5 | 4 |
| | Computer Science for Space Engineering I | WPF | 5 | 4 |
| | Spacecraft System Analysis | WPF | 5 | 4 |
| | Space Dynamics | WPF | 5 | 4 |
| | CanSat Design Lab | WPF | 10 | 8 |
| Coursework Semester 1 | | | 30 | 24 |
| 2. | Telecommunication System Design | WPF | 5 | 4 |
| | Trajectory Optimization and Reliability | WPF | 5 | 4 |
| | Performance Engineering and Benchmarking | WPF | 5 | 4 |
| | Remote Sensing | WPF | 5 | 4 |
| | Advanced Sensor Systems and Instrumentation | WPF | 5 | 4 |
| | Spacecraft System Design | WPF | 5 | 4 |
| Coursework Semester 2 | | | 30 | 24 |
| 3. | Robotics | WPF | 8 | 6 |
| | Mathematical Modelling and Computational Science | WPF | 6 | 6 |
| | Team Design Project | WPF | 10 | 8 |
| | Networked Satellites Lab | WPF | 6 | 6 |
| Coursework Semester 3 | | | 30 | 26 |
| 4. | Master's Thesis | Thesis | 30 | |
| Coursework Semester 4 | | | 30 | |
| Total | | | 120 | |