



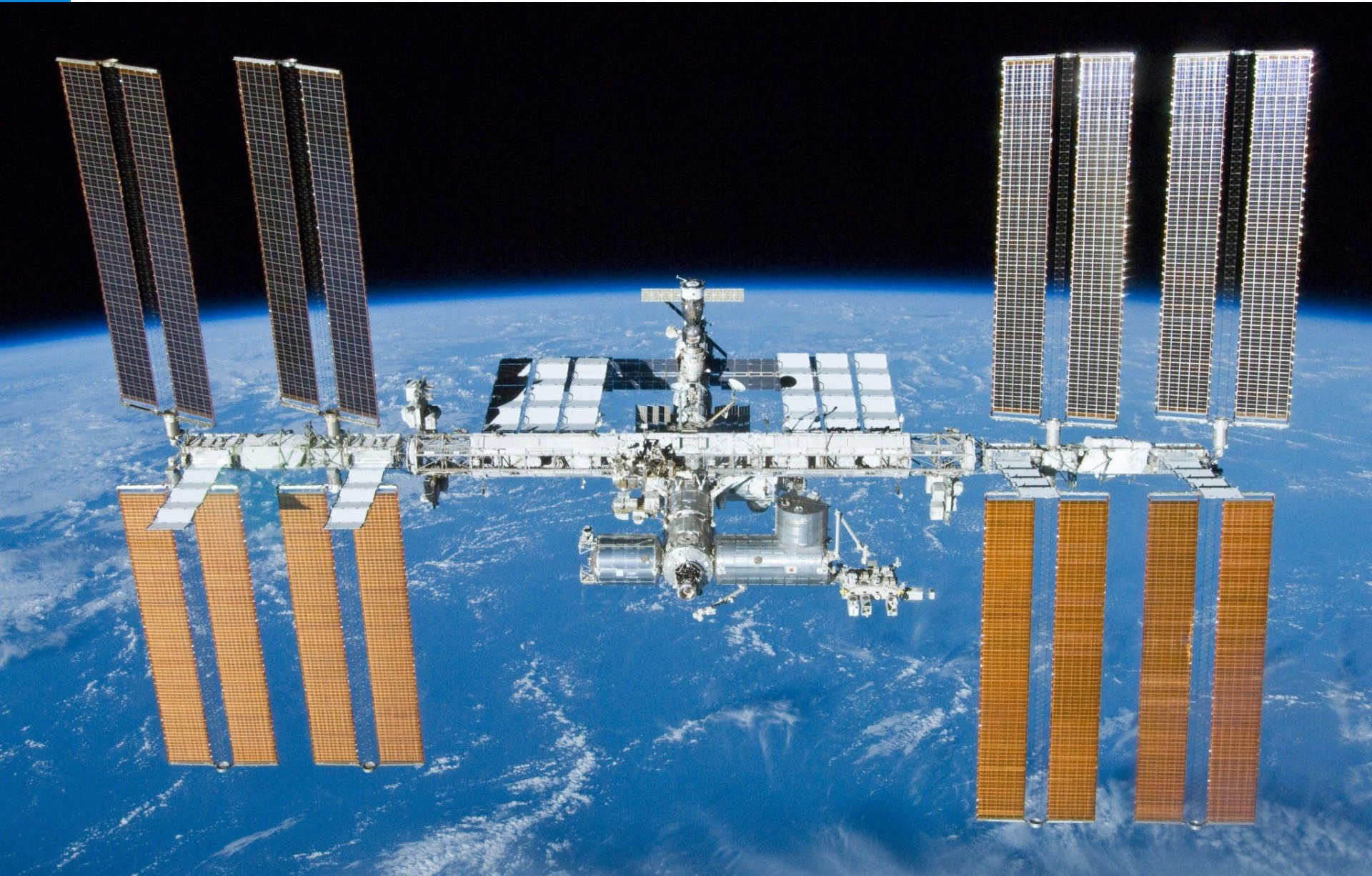
Honours Program Master

Challenging the ambitious AE student

Jos Sinke / Jeanet Rink

Coordinators Honours Programs - Aerospace Engineering

October 25, 2024

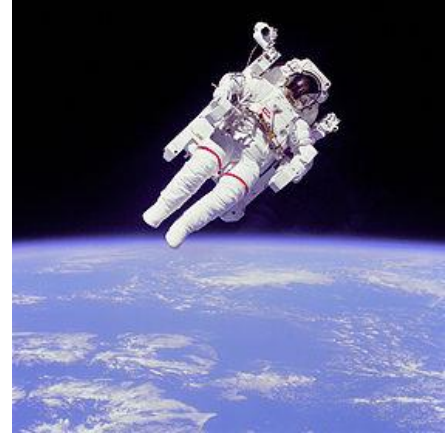


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Cristopher Castro Traba



Qualifications of an Honours student



- Committed and ambitious to become a leader in your profession or an expert in your specialism
- Broad interest and eager to learn
- Self-awareness of your goals and capabilities
- A strong drive and motivation that lead to outperformance in your study
- It is not only about intellectual properties, also about social competences, scientific attitude, talent, ambition, passion

The Honours Program Masters

- An additional ≥ 20 EC program on top of your Master
- 5 EC compulsory interfaculty course
 - Choice between: Technology Expertise in Public Debate (starting in Q2, Q4), Business Leadership for Engineers (starting in Q3), Materials in a sustainable society or Leadership skills for Engineers (both starting in Q4)
 - send an email to academiccounsellor-ae@tudelft.nl to register for the course of your choice
- ≥ 15 EC individual program, To be shaped by you
- Results in an Honours certificate and a valuable entry on your CV

See also Brightspace "Honours Program Aerospace Engineering"

Curriculum items

HPM-Courses (5 EC each – at least 1 course is required)

- Technological Expertise in Public Debate
- Business Leadership for Engineers
- Materials in a Sustainable Society
- Leadership skills for Engineers

Faculty part – individual program

- HPM Project AE4099 – 15 EC
- HPM reflection report AE4098 (part of Project report)
(Note: HPM project **is not** the Internship AE5050)

alternative

4TU Responsible Sustainability Challenge voor 15 EC

<https://www.4tu.nl/htm/education/4tu-responsible-sustainability-challenge/>

Individua Program - Special and compelling

- An HPM can never be “just a package of extra courses” on top of your Master’s, like extra MSc elective courses, nor an extension of your regular internship, nor just a second internship
- You **must** make your program **personal**, **special** and **compelling**
- Interesting elements often are (interdisciplinary) projects at another faculty or university in the Netherlands or abroad, a contribution to on-going research, a dedicated, additional internship with clear personal learning objectives
- It must go beyond your regular Master’s program or regular internship

The timeline

1. SELECTION

- Submit Application form available on Brightspace (> Honours Programs Aerospace Engineering). **Deadline: December 1, 2024**

2. ADMITTANCE AND PROGRAM ORIENTATION

(clarifying learning objectives and searching for ways of implementation)

- Intake with Jeanet: **between December and February**

3. DEFINITION OF PROGRAM

(tailoring the programme, aligned to personal learning objectives)

4. FREEZE AND REQUEST APPROVAL

(using HPM Approval form and the Registration form available on Brightspace) **Deadline: April 1, 2025**

5. ENROLMENT **HPM + Master Completion within 30 months**

starting from Master registration date!

1. Selection: eligibility

- Bachelor graduates of TU Delft BSc Aerospace Engineering
 - an average mark of **7.5** for your bachelor courses, and a successful completion of your bachelor within **4 years**
- Bachelor graduates of other universities (national, international)
 - excellent results in prior education (top 10%)
- HBO students Bridging Program
 - cum laude degree HBO and excellent results in Bridging Class
- **AND for all**: average mark of **7.5** in **the Q1 results of the MSc**
- Typically, 2% of the population MSc Aerospace Engineering

2. Admission – objectives

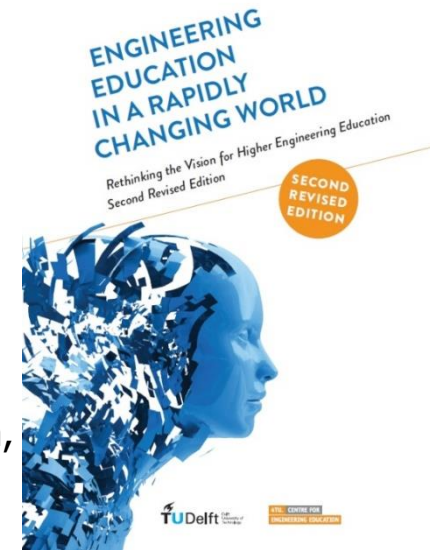
- Define why you want to do an HPM
 - It is at least 20 EC on top of your regular master program!
 - Alternative options: extra electives in the free space of your MSc, or free extracurricular activities (e.g. Dream Teams)
- Make your personal learning objectives explicit
 - Only after you have established a clear picture for yourself about the why and what for an HPM, you can start thinking about how to achieve these goals
- Personal learning objectives need to match TU Delft HPM Qualifications (*next slide*)

HPM Final Qualifications

(not exhaustive, see Brightspace for details)

- I. “Scientific and intellectual development”
 - apply methods in a creative, innovative and independent manner
 - analyse current scientific and societal consequences of new developments
- II. “Research and design capabilities”
 - work on different abstraction levels
 - contribute to the development in the chosen field of engineering sciences
- III. “Communication”
 - draw other fields of study into your research or design process
 - spread your new knowledge through activities
- IV. “Self-adjustment and reflection capabilities”

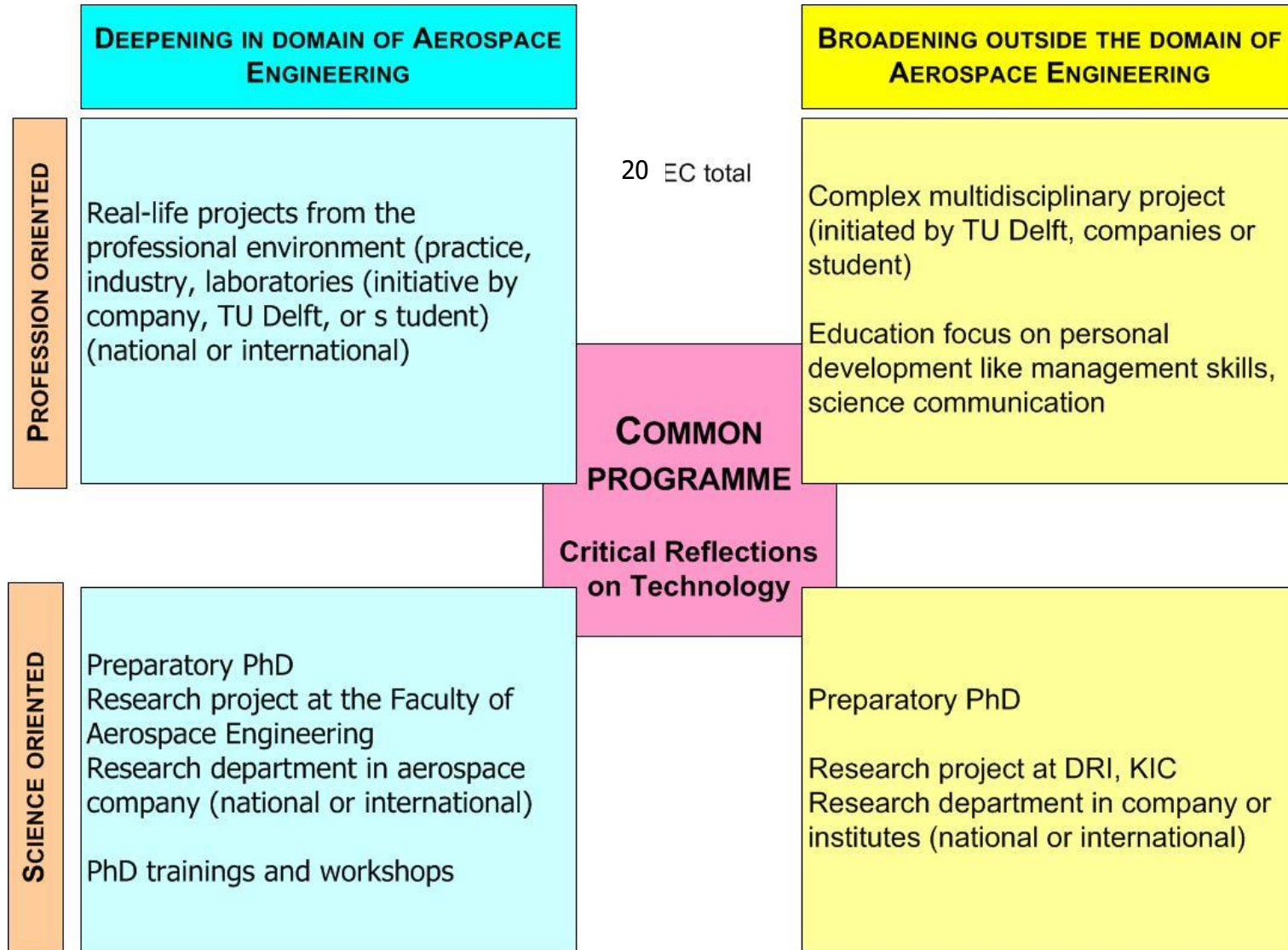
3. Program definition



1. Establish the main subject or theme of your program
 - Engineering in the 21st century
(e.g., interdisciplinary teamwork, business economics, sustainable design, humanities and social sciences, artificial intelligence, cultural agility)
 - An engineering or scientific subject or theme
(e.g., preparatory PhD, research project in industry or institute, courses, projects)
2. Establish an outline of your program in consultation with the Honours Program Coordinators (Jeanet Rink & Jos Sinke) and your network of Master Track Coordinator, Profile Advisor, professors, lecturers, researchers,...

You are encouraged to spend part of your time at a prestigious institute abroad!
(It is also possible to do an exchange for 1 quarter)

Honours Programme navigator



Scheduling

- An Honours program needs to run in parallel with your master
- You must **complete** your MSc + HPM **within 2,5 years (starting from the registration date of the Master program)**
- The last exam is always your MSc Thesis assessment. By then, you must have completed your HPM
- Many students start their regular master in September, orientate their HPM during the first semester, take the compulsory course first, then configure and arrange their HPM early in the second semester

Scheduling

- **< December 1, 2024:** Application (submittal of application form)
- **December 2024- February 2025:** Admittance to HPM, elaboration of personal learning goals, preliminary ideas for individual program
- **< April 1, 2025:** Finalised individual program (HPM Approval form)
- **< June 1, 2025:** Formal registration in OSIRIS (HPM Registration form)

Authorisation and registration

- Jeanet Rink, academic counsellor
 - is your primary consultant,
 - Email: j.j.rink@tudelft.nl
 - send your program documents to Jeanet
- Coordinator Honours Programs (Jos Sinke)
 - approves your program
 - completes the registration at Education & Student Affairs
 - approves the final report & reflection

Final considerations

- HPM often competes with Cum Laude
- 20 EC is the minimum
- The added value is not in the certificate but in **your learning**
- Your personal learning objectives may also be achievable by giving a twist to one or more electives or to your thesis, rather than an ambitious HPM program bolted on top of your master
- Your MSc + HPM will probably take longer than the MSc

Honours student's experience

Cristopher Castro Traba



Stay up to date on all the information!

Enrol on Brightspace:

"Honours Programs Aerospace Engineering"



Email: academiccounsellor-ae@tudelft.nl

Appointments from December 1, 2024 onwards