Program

- Professional development in the master
- Mentor system
- Diagnostic Tests
- Skills lab
- Honors program
Why Professional Development & Skills in EE master program

Pay attention to:

- Broad preparation for the real life work: industry, as a researcher, as an engineer, as a designer, etc.
  - Manage projects
  - Multidisciplinary teams

- Knowledge is important but also skills
  - To communicate
  - To work with teams of experts
Professional development & Professional skills

• Professional development (10 ECTS)

<table>
<thead>
<tr>
<th>Course name &amp; code</th>
<th>ECTS / Planning (Q)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5CKC0 Academic writing skills</td>
<td>2.5 1/Y1 ✔</td>
</tr>
<tr>
<td>5CKB0 Project management</td>
<td>2.5 2-4</td>
</tr>
<tr>
<td>5CKD0 Presenting scientific information &amp; Research set-up</td>
<td>2.5 1-3/Y2</td>
</tr>
<tr>
<td>5CKE0 Cultural Integration Processes</td>
<td>2.5 2-4</td>
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</tbody>
</table>
Diagnostic tests for Professional Skills

- Broad Test on Skills (SKL00)
- Teamwork Skills (SKL10)
- Presentation Skills (SKL20)
- Academic Writing Skills (SKL30)

Own students’ responsibility
Compulsory!
OER 3.4.
Automatically registered in OWIS

https://skills-assessment.tue.nl/

✓ Diagnostic tests are input for Personal Development Plan (PDP)
✓ Own responsibility of students
Dear Master's Student,

This week you have started your TU/e Master’s program. Two years from now you will move on to the next step. Today’s companies and other employers ask more and more of their future employees. Bringing your degree and knowledge to the table may not be sufficient to get the position you are dreaming of. You need to be able to present yourself and adopt an entrepreneurial attitude towards your work and your life.

Therefore, TU/e offers you TU/e SkillsLab (educationguide.tue.nl/skillslab). With TU/e SkillsLab you can take online assessments on professional skills and find content and tools to develop the skills that you need, to get the job that you want.

Every Master’s student is required to take the Broad Diagnostic Test of Professional Skills (educationguide.tue.nl/skills-assessment) in the first quartile of enrolment. This test helps you to determine your level for various professional skills. Moreover, a tool is offered that helps you create your own Personal Skills Development Plan. You will discuss this plan with your mentor.

Please go to the Broad Diagnostic Test of Professional Skills (educationguide.tue.nl/skills-assessment) and login with your TU/e account.

Have a great start of the year and good luck,

On behalf of your Graduate Program Director,
The TU/e SkillsLab team
TU/e SkillsLab
Your skills, your future.

P.S. Do you have feedback on TU/e SkillsLab or the Broad Diagnostic Test of Professional Skills? Please let us know by replying to this email.
Competency Test (CT)

I take initiative to implement plans
(almost) never rarely

I take the organization’s interests and objectives into account in my work
(almost) never rarely

I meet deadlines by working in a structured and systematic manner
(almost) never rarely

I make sure that I use proper grammar and make no mistakes in my e-mails
(almost) never rarely

I show an interest in the ideas and opinions of others

The selection of these 13 competences has been based on a variety of input, from major employers for TU/e graduates, to the TU/e Academic Competencies and Quality Assurance or ACQA.
Your Presentation Skills level

Based on your Self Assessment your current level on Presentation Skills is: level 3

Your presentations are OK, and they are probably very typical of average presenters. The impression you leave is not good or bad. The message you want to convey is clear and structured. You probably use some examples in your presentation that relate to your audience and you rarely demonstrate your nervousness during the presentation. However, there is still room for improvement. Below you can read your score per criterion and what you can do to become a better presenter.

Your level for each sub-skill

Based on your Self Assessment your current level on

- 1. Introduction Presentation Skills is:

- 2. Preparation is: level 4

You prepare your presentation very well. Preparation is the key to a successful presentation, so keep up the good work! Preparation is the key to a successful presentation and you seem to understand that. Curious how to prepare even better, for example what presentation method to use?
7 Summary

Below you can summarize your plans, using the answers you gave above.

In the next two years, I will focus on developing [ ]

I will do this by focusing on [ ] . For this, I will need: [ ]

I will arrange this in the following way:

. I will work on this at the following times:

. And I will review the situation and demonstrate that I have developed by [ ]

In order to remain motivated, I will: [ ] . For this, I will ask: [ ] to help me, by [ ]
Mentors’ role & tasks

- Mentors:
  - Supervises the student in: (MSc. OER 3.5. lid 2)
    - Making choices of specialized elective study components & gives advice
    - Developing rest of study program/Personal Development Plan (PDP)
    - Discussing results of Professional Skills diagnostic test(s) (Article 3.4.4) and PDP he/she has developed advice to follow PDP training
Mentors in EE Research groups

<table>
<thead>
<tr>
<th>Group</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPS</td>
<td>Harrie Kuipers</td>
</tr>
<tr>
<td>ECO</td>
<td>Oded Raz</td>
</tr>
<tr>
<td>ES</td>
<td>Marc Geilen</td>
</tr>
<tr>
<td>CS</td>
<td>Siep Weiland</td>
</tr>
<tr>
<td>MsM</td>
<td>Marion Matters</td>
</tr>
<tr>
<td>PHI</td>
<td>Erwin Bente</td>
</tr>
<tr>
<td>EPE</td>
<td>Kirill Rykov</td>
</tr>
<tr>
<td>EES</td>
<td>Nikolaos Paterakis</td>
</tr>
<tr>
<td>EM</td>
<td>Bas de Hon</td>
</tr>
</tbody>
</table>
Timeline

1. **End Q1/ 6 weeks from start**

2. **Selection project Marketplace**

3. **Link mentor-student**

4. **Between first & second quarter**

5. **First meeting(s) organized by student**

6. **Mentor-student**

7. **Marketplace/ Study program**

8. **Form + mentor advice**

9. **Before meeting with student ask for Diagnostic tests**

10. **PDP**

11. **Students’ responsibility**

12. **Students plan further meetings**

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**Technische Universiteit Eindhoven**
University of Technology

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SkillsLab – online platform for skills development

**Students’ own self-development responsibility ‘Student Ambassador’ + STU**

<table>
<thead>
<tr>
<th>Presentation Skills</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing Skills</td>
<td>Level 1</td>
<td>Level 2</td>
<td>Level 3</td>
<td>Level 4</td>
</tr>
<tr>
<td>Leadership Skills</td>
<td>Level 1</td>
<td>Level 2</td>
<td>Level 3</td>
<td>Level 4</td>
</tr>
<tr>
<td>Write skill here...</td>
<td>Level 1</td>
<td>Level 2</td>
<td>Level 3</td>
<td>Level 4</td>
</tr>
</tbody>
</table>

https://studiegids.tue.nl/opleidingen/graduate-school/coaching-and-professional-skills/tue-diagnostic-test-of-professional-skills/
Students are in charge of own professional skills development during the master!!!