



UNIVERSITEIT
GENT

MASTER'S THESIS 2026-2027

Industrial Engineer Informatics

CREDITS MASTER'S THESIS

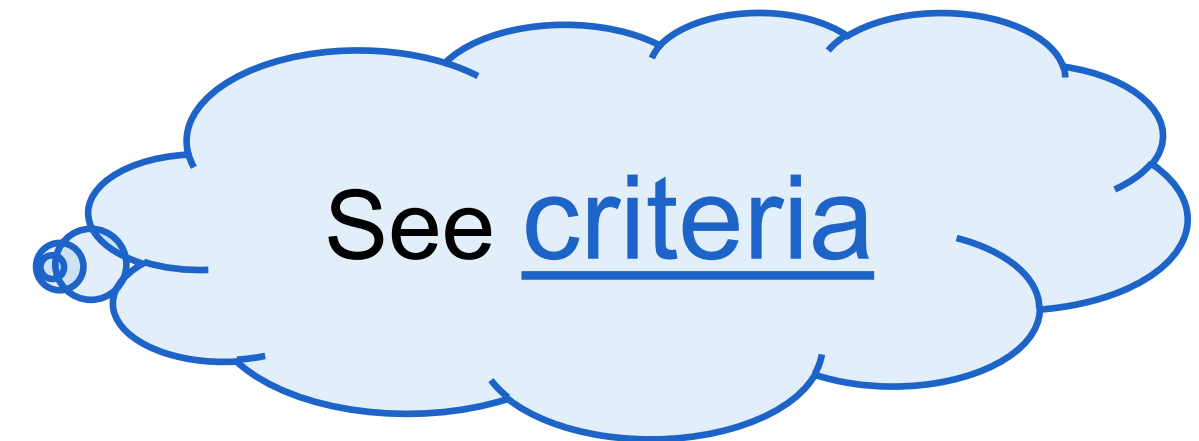
Semester 1	30	Semester 2	30
Network and computer security	6	Cloud Storage and Computing	6
Machine Learning	6	Elective courses	12
Advanced Algorithms	6		
System Design	3	Master's thesis 6 half days a week	12
Elective course	3		
Master's thesis 3 half days a week	6		

- Three credits ~ 80 hours
- Depending on the student's curriculum
- Sometimes unbalanced distribution of credits over the two semesters

Elaborate in the
work plan

EXPECTATIONS FOR THE CONTENT MASTER'S THESIS

- Company: technology
 - exploration innovative aspect
 - in-depth analysis
- UGent: literature study
- Tangible end result, thoroughly evaluated
- Implementation
 - analysis and design
 - thoroughly tested
 - not just executive work
- Reporting



TIMING MASTER'S THESIS : YEAR COURSE

- Choice of master's thesis topic
 - Capture after personal contact
- Submit work plan (October 20)
- Interim presentation: last week of first semester (14-18 December)
- Submit/read 25 pages of thesis (March 31)
- Submit/read 95% thesis (begin May)
- Final submit thesis (May 20)
- Exam (public master exam): June 23-25

WORK PLAN



See [work plan](#)

- Translating the master's thesis proposal on assignment
- Keep in mind 18SP vs 24SP: less time for exploratory phase
- Concrete objectives, approach and evaluation criteria must be clear quickly:
 - getting to know master's thesis topic better through interaction with supervisors/supervisors,
 - literature study
- Guide through the master's thesis
- Clarified research content versus implementation expectations

MASTER'S THESIS CONTRACT

➤ Master's thesis

- in collaboration with company
- student works outside UGent building

➔ Master's thesis **contract must be signed.**

End date in contract: 09/09/2027

CONFIDENTIAL MASTER'S THESIS

- Thesis may be censored for publication in Plato.
 - The assessment committee must receive a complete uncensored version.
 - Non-disclosure agreement with members of the assessment committee.
- Embargo publication date (in Plato)

NDA WITH STUDENTS

- Complete a unilateral declaration of confidentiality
 - Master's thesis in research group UGent: see [Masterproef - Vertrouwelijkheid](#)
 - Analogous document if cooperation with company.
- Only the student signs this document
 - Best at the start of the master's thesis

ARTIFICIAL INTELLIGENCE (AI)

- Artificial Intelligence (AI) is playing an increasingly important role in the digital society.
- Students must learn how to use AI in a responsible and ethical manner.
- ChatGPT, GitHub CoPilot, Google Bard, ... may be used during the master's thesis ([Gebruik AI Masterproef](#))
- Make agreements about which data may be used in an AI tool.
- The student remains responsible for the final text!
- The thesis must explain in detail how AI was used in the appendix.

SOCIETAL REFLECTION

The thesis must contain a societal reflection of one to three pages.

Some examples:

- Placing the work in a broader societal context.
- Explaining how the work contributes to the implementation of the United Nations(UN) Sustainable Development Goals (SDGs).
- Reflecting on the ethical impact of this thesis or the used datasets.
- Investigating how the resulting work conforms to relevant laws or technical standards such as the GDPR, AI act and the CRA.

COACHING MASTER'S THESIS

- Read work plan
- Present 2-3 days a week in one semester
 - thesis and project space provided
- Consultation with the student every two weeks
- Organizing an interim presentation for the student
- Giving feedback to the student
 - about the progress
 - the first 25 pages
 - the first draft thesis
- Attending the Master's thesis exam (public defence)



ADMINISTRATION IN PLATO

Only for the Ugent-supervisor:

➤ date of the interim presentation (in december)

➤ proposal for the examination committee

➤ approve language and title

➤ avoid changes after 10 may



➤ date and place for the defense

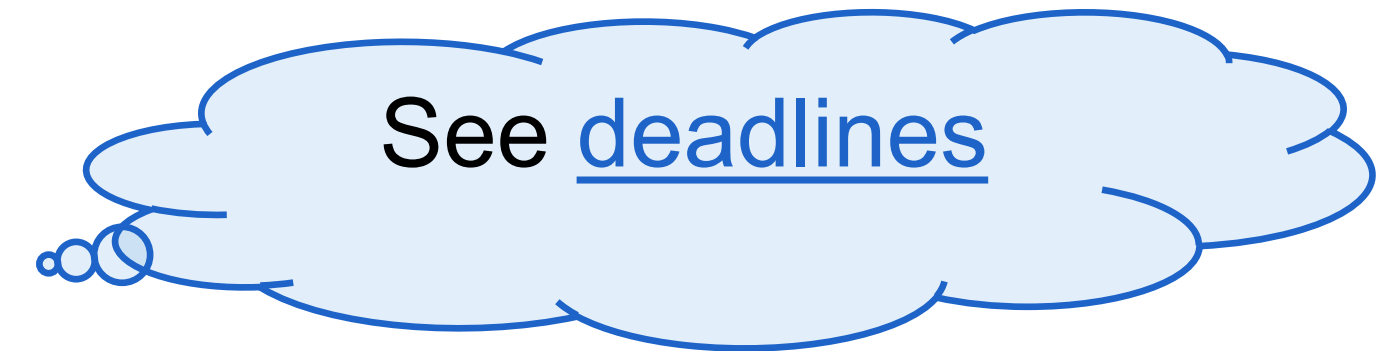
INTERIM PRESENTATION

- Last week before the Christmas holidays: 15-19/12
- With all supervisors/promotors involved
- The first results are discussed
- Discussion about the further course
- Possible adjustment of objectives, ...

EXAM – PUBLIC DEFENCE:

3 moments:

- 28-30 January 2027 (special session)
 - Thesis: 31 December
- 23-25 June 2027 (1st session)
 - Thesis: 20 May
- 3-6 September 2027 (2nd session)
 - Thesis: 12 August

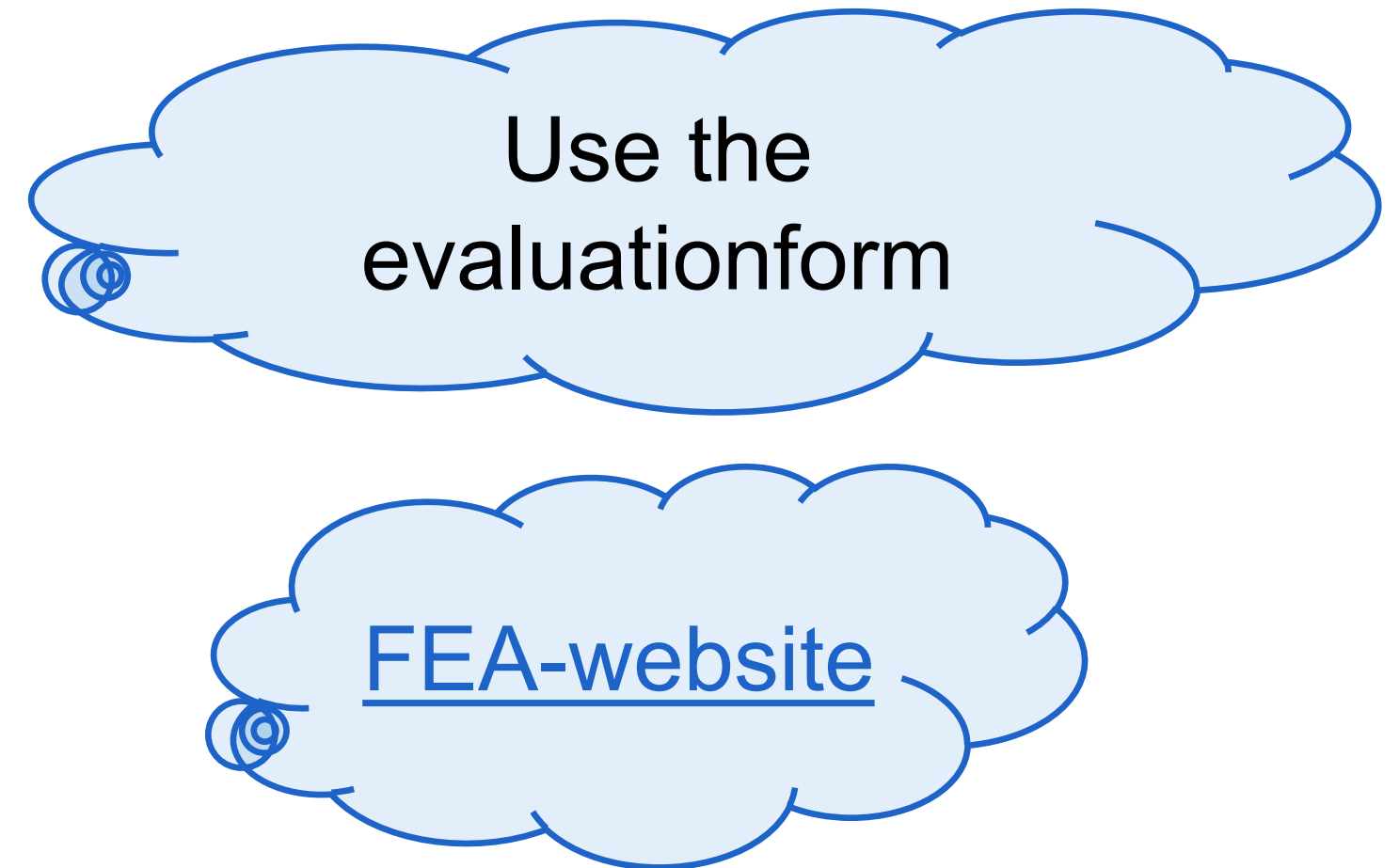


MASTER'S THESIS - ASSESSMENT

- Assessment committee: at least one external person who is not involved in the master's thesis
- The end result of the master's thesis is compared with the set goals.
- Classification is used in final evaluation
- The assessment committee gives the end points in consultation

FINAL EVALUATION BY ASSESSMENT COMMITTEE

Assessment of	
Process	30%
Product	30%
Exam - public defence	40%



Nieuw vanaf AJ 2024_2025 (pro memorie)

- ! De faculteit Ingenieurswetenschappen en Architectuur heeft de beoordeling van de masterproef gewijzigd vanaf academiejaar 2024 - 2025: er zijn nieuwe beoordelingsformulieren, -rubrics en ook de masterproefverdediging kreeg enkele aanpassingen. Alle masterproeven die vanaf dat moment worden ingediend zullen via de evaluatieformulieren die onderaan deze pagina te vinden zijn, worden beoordeeld.

[Bekijk de korte presentatie over de aanpassingen](#)

FINAL EVALUATION BY ASSESSMENT COMMITTEE

										PROCES	PRODUCT	EXAMEN
										30	30	40
1 Zelfstandig relevante en actuele informatie opzoeken en kritisch verwerken												
Opzoekwerk												
Verwerking & kritische analyse												
2 Een onderzoeksvraag formuleren, vertrekkend van een complexe wetenschappelijke probleemstelling binnen de eigen ingenieursdiscipline												
Inzicht in probleemstelling												
Verwoording onderzoeksvraag												

Evaluate each aspect for process/product/exam:

Excellent (18-20)

Very good (16-17)

Good (14-15)

Sufficient (10-13)

Weak (8-9)

Very poor (0-7)

FINAL EVALUATION BY ASSESSMENT COMMITTEE

Assessment of	
Process	30%
Product	30%
Exam - public defence	40%

For each aspect at
least 8/20

Otherwise,
the score may be
9/20

PUBLIC DEFENSE

- defense is attended by the full assessment committee
- can be done with video conference
- In case of force majeure of a committee member:
 - must be announced to the OC chairman
 - an assessment must be sent to the promotor and added in Plato
- Guide for committee members ([Masterproef: beleid voeren vanuit de opleiding | Onderwijstips](#))

INFORMATION

- Own website: masterproef.tiwi.ugent.be
- FEA website: civil engineer/ industrial engineer
<http://www.ugent.be/ea/nl/faculteit/diensten/studentenadministratie/masterproef>

Modaliteiten



- [Masterproefmodaliteiten - faculteit Ingenieurswetenschappen en Architectuur AJ 2025-2026 - alle opleidingen](#)
- [Master's Dissertation Procedures - Faculty of Engineering and Architecture AY 2025-2026 - all programmes](#)

- Ugent: <https://onderwijstips.ugent.be/nl/tips/masterproef-in-opleiding/>

Masterproef

Nieuw vanaf AJ 2024_2025 (pro memorie)

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[Bekijk de korte presentatie over de aanpassingen](#)

- ! [Nota in verband met het verantwoord gebruik van generatieve AI in de masterproef](#)

- ! [Nota in verband met plagiaat en wetenschappelijke integriteit](#)

EVALUATION FORMS/ CLASSIFICATION

Evaluatieformulieren (aanpassingen vanaf AJ 2024-2025)

Ingenieurswetenschappen: architectuur & MSc in de stedenbouw en de ruimtelijke planning

- [Evaluatieformulier masterproef ingenieurswetenschappen: architectuur / SRP](#)
- [Evaluation form master dissertation in Engineering Architecture / SRP](#)

Rubric voor beoordeling masterproef ingenieurswetenschappen: architectuur & MSc in de SRP ([Nederlandstalige ver](#)



FEA website -
Masterproef

Ingenieurswetenschappen

- [Evaluatieformulier masterproef ingenieurswetenschappen](#)
- [Evaluation form master dissertation in Engineering](#)

Rubric voor beoordeling masterproef ingenieurswetenschappen ([Nederlandstalige versie](#) / [English version](#))



Competenties
zijn verschillend

Industriële wetenschappen

- [Evaluatieformulier masterproef industriële wetenschappen](#)
- [Evaluation form master dissertation in Engineering Technology](#)

Rubric voor beoordeling masterproef industriële wetenschappen ([Nederlandstalige versie](#) / [English version](#))

Masterproef Informatica '26 - '27

CONTACT

- Marleen Denert: marleen.denert@ugent.be
 - administrative questions
- For companies: Ghent University Supervisor
 - substantive follow-up
 - regular contact with the student
 - present at interim presentation
 - Plato: fill in data

QUESTIONS

Resume on Begeleiding Promotoren.



Veerle Ongenae

chairperson for the master in information
engineering technology

Industrial Engineer Informatica

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