



ELTE

FACULTY OF
INFORMATICS

Conditions for obtaining absolutory

Conditions for obtaining absolutory (pre-degree certificate)

If you are unable to submit your entire thesis, you can still obtain an absolutory (pre-degree certificate), which means that your student's status will be terminated, so you will not have to pay a tuition fee for additional semesters if you take the Final Examination and obtain your degree later. Only students who have obtained an absolutory beforehand can attend the Final Examination, which can be taken the next semester after successfully obtaining an absolutory.

In order to obtain absolutory (pre-degree certificate) you have to:

- **Fulfil the Thesis Consultation subject:** [BSc in Computer Science](#), [MSc in Computer Science](#), [MSc in Cartography](#), [MSc in Geoinformatics](#)

You will receive your Thesis Consultation grade based on the presented thesis, the program and the fulfilment of the consultation milestones. The deadline for the Thesis Consultation grade to be registered in Neptun in case of taking the Final Examination in the current semester is **the 15th of December (autumn semester), the 15th of May (spring semester)**

Deadlines (for students taking the Final Examination in another semester):

🍁 7 January (autumn semester)

🌸 7 June (spring semester)

- **[accomplish the internship](#)**

You have to submit a Reference Letter to verify the accomplishment of the internship.

Deadlines:

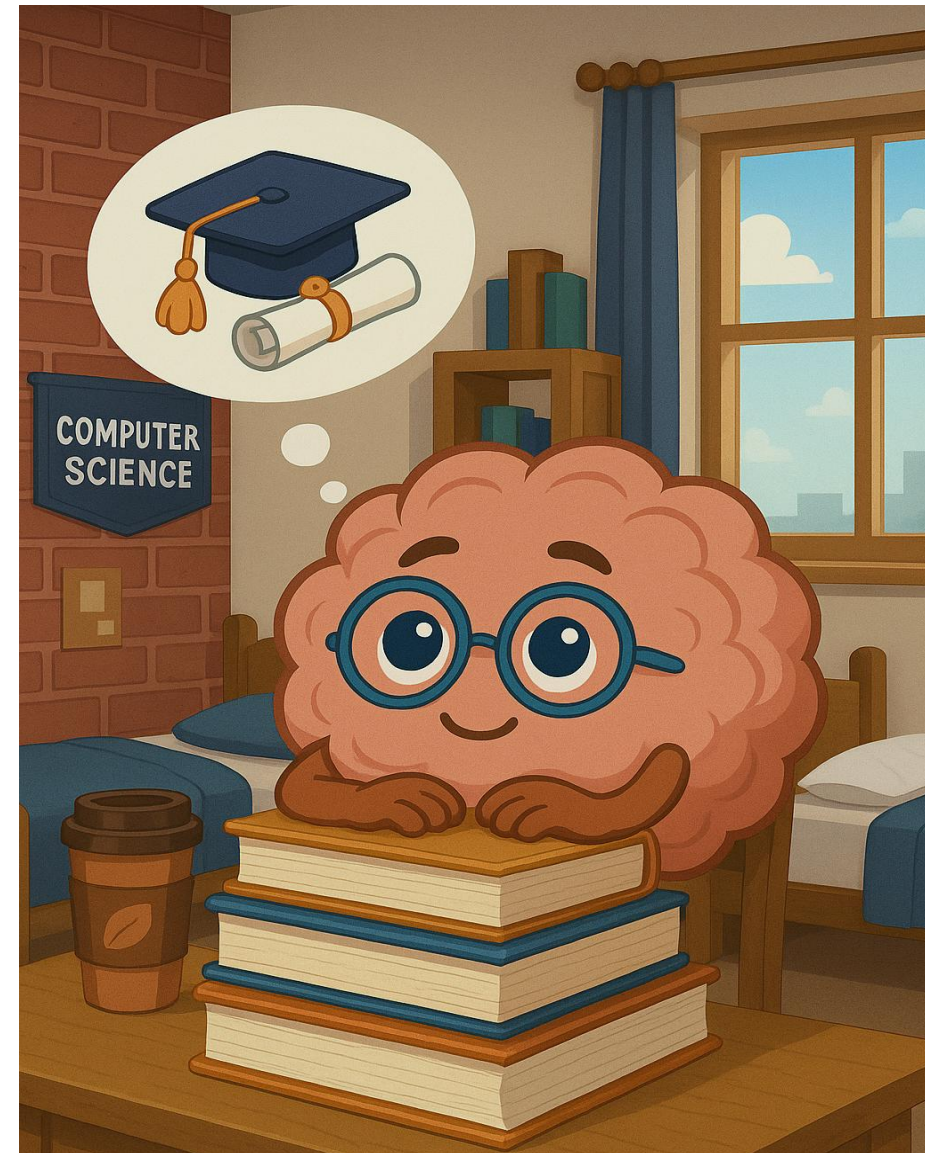
🍁 31 January (autumn semester)

🌸 31 August (spring semester)

- **[Fulfil the subject requirements of the curriculum](#)**

Deadline:

🍁🌸 till the end of the exam period





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Thesis consultation

Fulfil the Thesis Consultation subject

You will receive your Thesis Consultation grade based on the presented thesis, the program and the fulfilment of the consultation milestones (for BSc in Computer Science students)

Consultation (for BSc in Computer Science students)	
Deadline	Topic
  15 May 15 October	Discussing the details of the Thesis Topic Registration Form, and submitting it. Preparing the work schedule for the thesis. Discussing the topic and the short description of the thesis with the supervisor, checking the data of the supervisor for the Thesis Topic Registration Form. Choosing the date of the next meeting and the tasks to be fulfilled by then.
  1 July 1 December	Planning phase, description of the software requirement to be implemented Description of the software requirements to be implemented by the thesis, with particular regard to the functional requirements. This can take the form of a use case diagram with a detailed explanation, the explanation can be a table of user stories: <function name, short description, given-when-then triple entry>
  10 September 10 February	The architecture of the designed software - Description of the architecture of the planned software (e.g. three-layer: UI - BL - DB) and business logic (class diagram in any case). - Registering for the Thesis Consultation course assigned to the supervisor.
  10 October 10 March	Presenting at least 60-70% of the implementation - Presenting at least 60-70% of the implementation based on which the fulfilment of the Thesis Consultation course can be registered in Neptun. - Discussing the topics related to the topic of the thesis to be entered in the Registration Form for the Final Exam.

Fulfil the Thesis Consultation subject (MSc in Computer Science)

You will receive your Thesis Consultation grade based on the presented thesis, the program and the fulfilment of the consultation milestones (for MSc in Computer Science students)

Consultation	
Deadlines	Topic
 15 May  15 October	Discussing the details of the Thesis Topic Registration Form, and submitting it. Preparing the work schedule for the thesis.
 1 July  1 December	Reviewing the literature 3-5 pages, approx. 10 literature references
 10 September  10 February	Detailed research plan Formulation of research objectives, setting up specific research questions, implementation plan: 3-5 pages
 1 October  1 March	Summary of research results Prepared software, performed measurements or experiments, developed method, the research questions briefly answered

Fulfil the Thesis Consultation subject (MSc in Cartography, MSc in Geoinformatics)

You will receive your Thesis Consultation grade based on the presented thesis, the program and the fulfilment of the consultation milestones

Consultation	
Deadlines	Topics
 15 May  15 October	Discussing the details of the Thesis Topic Registration Form, and submitting it. Preparing the work schedule for the thesis.
 1 September  1 December	Reviewing the literature 3-5 pages, approx. 10 literature references
 15 October  15 February	Detailed research plan Formulation of research objectives, setting up specific research questions, implementation plan: 3-5 pages
 15 November.  1 April	Summary of results Completed map, atlas, web page, developed method, concise answers to specific questions

Fulfil the Thesis Consultation subject

The Thesis consultation subject is assessed on a 3-point grading scale:

- **Excellent:** the student fulfilled all the consultation milestones by the deadline.
- **Satisfactory:** the student does not follow the schedule of the consultation milestones, completes the thesis, but its level of completion fits the level of the last consultation milestone.
- **Fail:** the student will not fulfil the last consultation milestone until the deadline for administering the Thesis consultation grades.

The deadline for administering the Thesis Consultation grade in Neptun in case of students who upload their thesis by 1st of December/ 1st of May is:

 **15 December**

 **15 May.**

In other cases, the deadline for recording the practice grades applies:

 **7 January**

 **7 June**

In exceptional cases, when the student was unable to complete the subject on time due to illness or other extraordinary proven problems, he may complete it until the last week of the exam period with the permission of the vice-dean.



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Internship

Accomplishing the internship

In 5 steps

1.

Initiating a Cooperation Agreement between the University and the employer

2.

The employer issues the Declaration of Acceptance that has to be accepted by the University

3.

Starting the Internship

4.

At the end of internship, the employer issues the Reference Letter

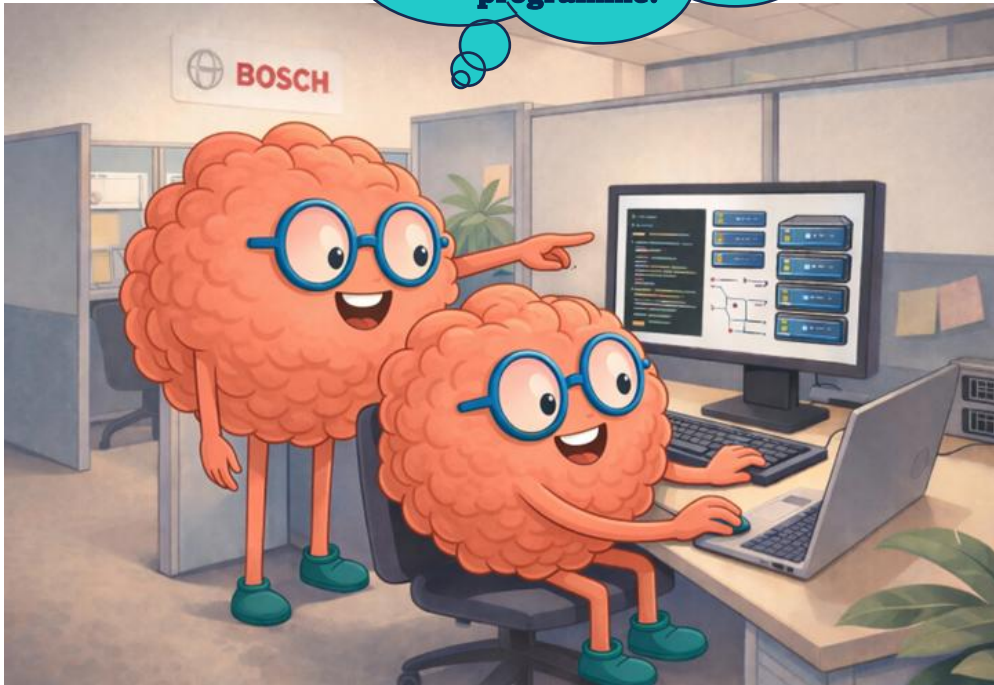
5.

If everything is correct, the University accepts and administrates the accomplishment of the internship

1.

Initiating a Cooperation Agreement between the University and the employer

You cannot accomplish your internship too early! Make sure to follow the requirements of your study programme!



Find a suitable company for the internship:

You can choose from a wide variety of companies where you can **do IT-related tasks** under the supervision of a **professional mentor** who accepts your supervision, it does not have to be a company related to Informatics.

In case you need some ideas we are recommending you few companies, where our students fulfilled their internship beforehand:

Companies for Internship

- If you find a research project within the Faculty, you can and would like to join, **you can accomplish your internship even within the Faculty.**
- If you would rather work through an intermediary company, you can also inquire about the available opportunities at the **School Association.**
- **You do not have to complete your internship during the study term.** As it does not have a credit value we recommend you to accomplish your internship during the summer break, so your workload will be shared gradually.



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Important Information!

You may start your internship after the second Active semester in the BSc programme.
Do not leave the selection of your internship place to the last minute! Without accomplishing the internship you cannot sit for the Final Examination or graduate!

Make sure to have a valid Cooperation Agreement between the University and the company you will accomplish your internship:

- **The chosen employer can hire you as an intern if a [Cooperation Agreement](#) is signed beforehand between the University and the company or -in case of mediation- with the School Association.** A Cooperation Agreement is mandatory even if you already had an employee legal status at the company before starting your internship.
- The Cooperation Agreement does not necessarily have to be signed right before starting your internship. Currently, we have already established valid Cooperation Agreements with multiple companies. For further information inquire at the chosen employer or via the okt_asszisztens@inf.elte.hu e-mail address.
- The Cooperation Agreement is a contract between the employer and the University. You do not have to sign it. Your task is only to make sure that the Agreement is signed and valid before you start to work as an intern. Contact your future superior or HR to initiate the Agreement directly by contacting the University via okt_asszisztens@inf.elte.hu. The related documentation is available on our [website](#).
- **The University and the employer are legally obliged to sign a Cooperation Agreement. We recommend you to not to start your internship until you have a signed, valid Cooperation Agreement. In case by any circumstance the Cooperation Agreement does not go through then it may be, that we cannot accept your internship! In addition to that in case of haphazard labour control both - the employer and the university - can be called to account legally.**
- **Until there is not a valid Cooperation Agreement, the employer cannot issue the Declaration of Acceptance.**

About the Cooperation Agreement

- By concluding the Cooperation Agreement, the employer acquires the status of a professional internship location, which entitles the company to accept our students for internships.
- Our students cannot fulfil their internship with an employer that does not have an agreement in force. The agreement must also be concluded in the case of an already existing employment relationship or an internship abroad.
- The employer does not have to conclude the agreement with the University only if the student wishes to do an internship through the mediation of a School Association. In this case, the University accepts the agreement between the employer and the School Association.
- Our Faculty currently has agreements in force with hundreds of employers, so we ask our students to kindly inquire about the existing agreements of concluding an agreement with the employer or **your educational assistant** when starting the administration of the internship.

COOPERATION AGREEMENT ON INTERNSHIP

Number of the Agreement:

I. THE PARTIES

DATA	UNIVERSITY	EMPLOYER
Name	Eötvös Loránd University	
Seat	1053 Budapest, Egyetem tér 1-3.	
Represented by	Dr. László Borhy, Rector	
Registration Number	FI80798	Cg.
Tax Number	15308744-2-41	
Bank Account Number	Hungarian State Treasury 10032000-01426201-00000000	
Organisational entity	Faculty of Informatics	
Seat:	1117 Budapest, Pázmány Péter sétány 1/C	
Represented by:	Dr. Tamás Kozsik	
Contact person:	Ms. Krisztina Orbán	
Address:	1117 Budapest, Pázmány Péter sétány 1/C	
Phone:	+36 1 372-2517	
Fax:		
E-mail:	okt_asszisztens@inf.elte.hu	

II. SCOPE OF THE AGREEMENT

- II.1. On the basis of the present Cooperation Agreement the Employer undertakes to provide in-company internship per school year for students who are in legal relationship with the University. The internship will be provided free of charge for the following educational programmes:

educational programme	schedule (hours/week)	number of students
BSc Programme in Computer Science 240 working hours lasting at least 6 weeks for students admitted in 2012 and 2013		
BSc Programme in Computer Science 320 working hours lasting at least 8 weeks for students admitted in or after 2014		
MSc Programme in Computer Science 240 working hours lasting at least 6 weeks for students admitted in or after September 2014		
MSc Programme in Computer Science for Autonomous Systems 240 working hours lasting at least 6 weeks for students admitted in or after September 2018		



The administration of the Cooperation Agreement

- **The deadline to submit the [Cooperation Agreement](#) 15 day before starting the internship at the latest.**
- We can accept the Cooperation Agreement if and only if it is filled out fully and properly and signed by the person authorized to represent the company in the following formats and ways of submission:
- **In an e-mail in PDF format send either**
 - the document with the **digital signature** of the person authorized to represent the company
 - **Signed on paper** by the person authorized to represent the company AND **authenticated in the [AVDH system](#)**
- **If the representative of the company signs the document by hand, it is mandatory to have the document stamped. In this case submit two original copies in either of the following ways:**
- Submitting
 - **In person:** In the Southern building's Northern reception overlooking the TTK anytime (you do not have to request an appointment). Kindly submit the document in a closed envelope and write the following note on it: To Krisztina Orban Educational Assistant
 - **By postal services** (with advice of delivery service only) to the following address:

*Eötvös Loránd Tudományegyetem Informatikai Kar
Tanulmányi Hivatal, Orbán Krisztina
1117 Budapest, Pázmány Péter sétány 1/C, 2.316/A*
- **Of the documents received as a hard copy the University keeps an original copy for the Archives, the rest will be delivered by postal services (with advice of delivery) to the employer after the dean has signed it .**



Submit the Declaration of Acceptance form issued by your future employer

By submitting this declaration your future employer (company) lets the University know, that it would like to hire you for an internship within the framework of the Cooperation Agreement. **The University has to accept the place of internship beforehand, therefore the declaration has to be submitted before starting the internship either by you or by your future employer!**

On the declaration form, the company declares **the timeframe of your planned internship and what kind of tasks you will get, who will assist you in the implementation of the tasks.**

The declaration will not be accepted automatically by the University. The University consents that you accomplish your internship at the chosen company only if the University finds that the company fits the requirements. Do not start your internship before you receive a feedback e-mail that your Declaration of Acceptance form has been accepted. If your form gets denied your work will not be accepted as an internship. If you start your internship before your Declaration of Acceptance gets accepted you risk this.

Send the document to okt.asszisztens@inf.elte.hu e-mail address or to the university's [postal address](#). If you send the Declaration of Acceptance form, it will be sent back to your employer after the representative of the University has signed it. You will be informed regarding the status of your Declaration via e-mail, once you receive the e-mail feedback you may start your internship.

The Declaration of Acceptance

- The internship has to be announced to the University in advance.
- The [Declaration of Acceptance](#) is an official way for an employer to let the University know its intention to employ you as an intern which the university accepts/denies.
- The Declaration of Acceptance has to be submitted to the [educational assistant](#) 15 days before the start of the internship at the latest. The vice dean of Education will sign the document before the start of the internship.
- Keeping track of the deadlines and the arrangement and coordination of the internship place and schedule is your responsibility.
- Submit the Declaration of Acceptance in a single .pdf file to the [educational assistant](#) with
 - A digital signature or
 - As a document filled in on paper signed with a digital authentication or
 - As a document filled in and signed, stamped on paper and scanned (there is no need for the original hard copy for the administration)

 **Eötvös Loránd University**
Faculty of Informatics
Contact: okt_asszisztens@inf.elte.hu

DECLARATION OF ACCEPTANCE FOR INTERNSHIP

This declaration of acceptance confirms that the student of Computer Science BSc studies at ELTE Faculty of Informatics can complete the mandatory 320 hours internship specified in the training and graduation requirements of the program at the chosen organization within the framework detailed below.

The internship can be started after the approval of this declaration by the Faculty!
**FROM JANUARY 1, 2024 THIS DECLARATION CANNOT BE SUBMITTED WITH ANY DELAY!
ANY WORK WHICH WAS STARTED WITHOUT THE PRELIMINARY APPROVAL OF THE UNIVERSITY,
WILL NOT BE RECOGNIZED AS INTERNSHIP ACCOMPLISHMENT!**

1. Information about the student

Student's name: _____ Starting year of studies: _____
 Neptun code: _____
 Phone number: _____ E-mail: _____

2. Information about the employing organization

Name: _____
 Address: _____
 Phone number: _____ Web page: _____
 Effective date of the cooperation agreement concluded with ELTE Faculty of Informatics: _____
 Date of expiry of the cooperation agreement concluded with ELTE Faculty of Informatics: _____

	Contact person	Student's professional supervisor
Name	_____	_____
Department	_____	_____
Position	_____	_____
E-mail	_____	_____
Phone	_____	_____

3. Information about the internship

Internship starts: _____ ends: _____
 duration: weeks schedule: hours/week total: hours
 Department name: _____
 Professional work to be performed by the student (in details): _____

4.

At the end of internship the employer issues the Reference Letter

Accomplish your internship

- To accomplish your internship you have to work at least the following working hours:
 - **Bachelor of Computer Science:** 320 hours
 - **Master of Computer Science, Master of Computer Science for Autonomous Systems, Master of Data Science:** 240 hours
- As a Stipendium Hungaricum Scholarship holder, you may work 30 hours/ week during the study term, 40 hours/week out of the study term.
- The internship does not need to be done continuously; if required, the 320 working hours can be completed in 2 separate parts, even with 2 separate employers.
- For MSc students: **The University will not approve to the completion of an internship significantly longer than the mandatory 240 hours.** The number of signed working hours must always be between 240 and 260.

The employer confirms the completion of the internship to the University on the [Reference Letter](#).

 **ELTE** | FACULTY OF INFORMATICS

Eötvös Loránd University
Faculty of Informatics
Contact: okt_asszisztens@inf.elte.hu

REFERENCE LETTER ABOUT COMPLETION OF INTERNSHIP

This reference letter certifies that the student of Computer Science BSc studies at ELTE Faculty of Informatics has completed the mandatory 8 weeks internship specified in the training and graduation requirements of the program at the chosen organization.

The Reference Letter can be submitted only if the Declaration of Acceptance was previously approved by our Faculty of Informatics!

1. Information about the student

Student's name: _____ Starting year of studies: _____
 Neptun code: _____
 Phone number: _____ E-mail: _____

2. Information about the employing organization

Name: _____
 Address: _____
 Phone number: _____ Web page: _____

	Contact person	Student's professional supervisor
Name	_____	_____
Department	_____	_____
Position	_____	_____
E-mail	_____	_____
Phone	_____	_____

3. Information about the completed internship

Internship start date: _____ end date: _____
 duration: weeks schedule: hours/week total: hours
 Department name: _____

3.1. Employer's general feedback, comments for ELTE Faculty of Informatics (optional):

3.2. Short evaluation of the internship, summary from the student (in at least 4 sentences):

The Reference Letter

- Submit the [Reference Letter](#) as a single .pdf file to the [educational assistant](#). The original document is not needed for the administration, the signed and authenticated form scanned in colour is suitable
- The deadline to submit the form is the 30th day after finishing the internship, BUT **in case you intend to graduate in the same semester, the deadlines are the following:**

 **the 5th of December**
 **the 31st of May.**

- If you complete your internship during the holidays or in the exam period**, in case the Reference Letter submitted by the 31st of August the internship will be registered for the spring semester, in case the Reference Letter is submitted by the 31st of January, the internship will be registered for the autumn semester.
- If you do not submit the Reference Letter within the 30 days deadline, the Education Office will transcribe a late fee every week until the form is submitted (3000 HUF/week, maximum 30 000 HUF)**

 **ELTE** | FACULTY OF INFORMATICS

Eötvös Loránd University
Faculty of Informatics
 Contact: okt_asszisztens@inf.elte.hu

REFERENCE LETTER ABOUT COMPLETION OF INTERNSHIP

This reference letter certifies that the student of Computer Science BSc studies at ELTE Faculty of Informatics has completed the mandatory 8 weeks internship specified in the training and graduation requirements of the program at the chosen organization.

The Reference Letter can be submitted only if the Declaration of Acceptance was previously approved by our Faculty of Informatics!

1. Information about the student

Student's name: _____ Starting year of studies: _____
 Neptun code: _____
 Phone number: _____ E-mail: _____

2. Information about the employing organization

Name: _____
 Address: _____
 Phone number: _____ Web page: _____

	Contact person	Student's professional supervisor
Name	_____	_____
Department	_____	_____
Position	_____	_____
E-mail	_____	_____
Phone	_____	_____

3. Information about the completed internship

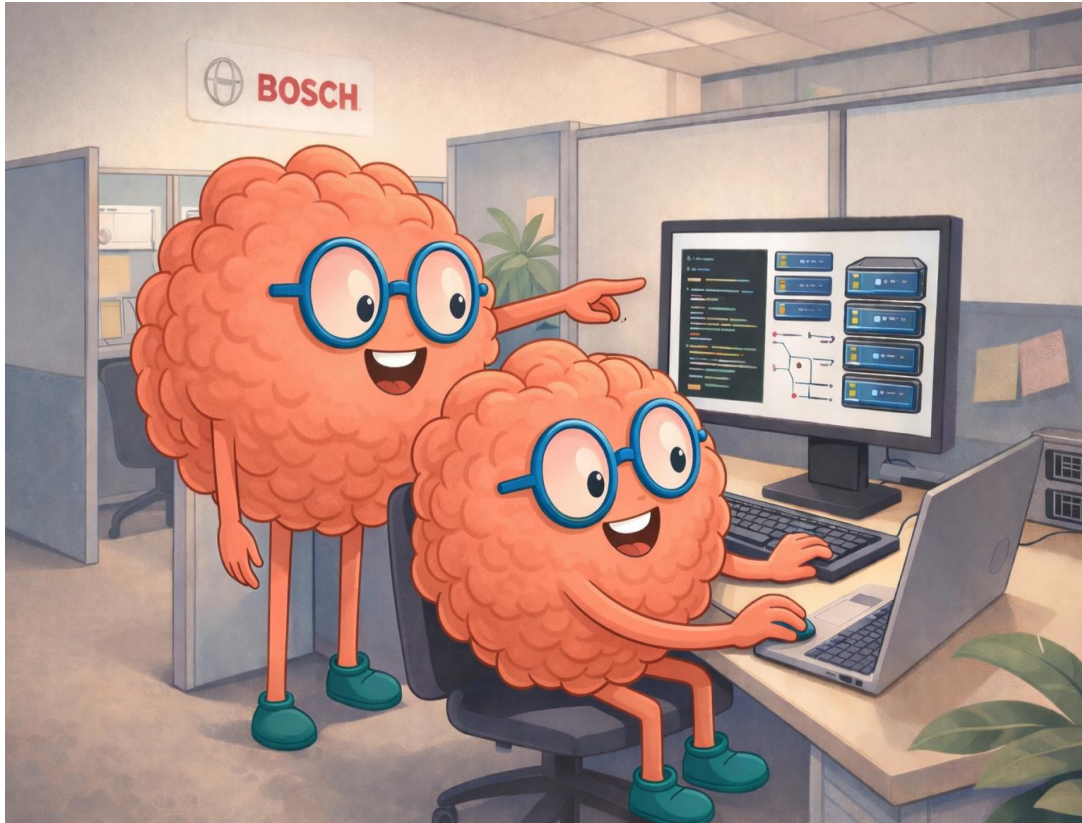
Internship start date: _____ end date: _____
 duration: weeks schedule: hours/week total: hours
 Department name: _____

3.1. Employer's general feedback, comments for ELTE Faculty of Informatics (optional):

3.2. Short evaluation of the internship, summary from the student (in at least 4 sentences):

5.

If everything is correct, the University accepts and administrates the accomplishment of the internship



Submit the [Reference Letter](#)

- On this form, **the employer verifies how long you worked for them as an intern, what tasks you were given, and how you completed them.** You must also evaluate your own internship work on this form.
- Based on the employer's and your assessment, **the University decides whether it can accept the internship as a performance.**
- **The Reference Letter has to be sent to the [educational assistant](#) or to our [postal address](#)** either by you or your employer.
- You will not receive the document back, after signing it, **it will be sent to your administrator, who will register the accomplishment of the internship in Neptun.** At the end of the exam period check your Neptun, the administration of your internship has to be completed by then.
- You do not need to inquire about the acceptance of the Reference Letter **If everything is in order, we will automatically notify you of its transfer to your administrator after its acceptance.** If something is wrong, we will let you know.
- **Make sure that the reference letter arrives at the University no later than the 30th day after the end of the internship! If you send the document later than this, the University will charge a late fee based on the current fee schedule. If it is too late, it may even happen that we will only be able to register the internship for the next active semester.**



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Accomplishing the internship with laboratory subjects in the MSc in Computer Science programmes

In the case of an internship taken at an external internship place

The vice dean of education decides on the acceptance of the filled-out and signed Reference Letters by asking the opinion of the Credit Transfer Committee.

Based on the Reference Letter, the successful completion of the internship is recorded by the Education Office in Neptun.

Acceptance of laboratory courses on MSc training

If you have completed 2 lab subjects of your curriculum these subjects can be accepted as an accomplished internship. In order to request your lab subjects to be accepted as an accomplished internship please fill out the following in Neptun:

IK - Accepting laboratory courses as internship.

The following subjects can be accepted as internship:

- **Data Science: Data Science Lab I & II.**
- **Cybersecurity specialisation: Cyber Security Lab I. & II.**
- **Software and Service Architecture specialisation: Software Technology Lab I. & II.**
- **Fintech specialisation: Fintech Lab I & II.**
- **Artificial Intelligence specialisation: AI Project Lab I. & II**
- **Autonomous Systems major: AUS Lab I. & II**
- **Digital Factory: IPMSEK-22fi4DFLAB1 Digital Factory Lab I
IPMSEK-22fi4DFLAB2 Digital Factory Lab II.**



In our experience it is difficult for international MSc students to find a suitable English-speaking internship place, therefore we highly recommend accomplishing an internship with lab subjects.



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Fulfilling the subject requirements

In order to obtain the absolutory (pre-degree certificate) you need to fulfil the subject requirements of the curriculum

BSc programme

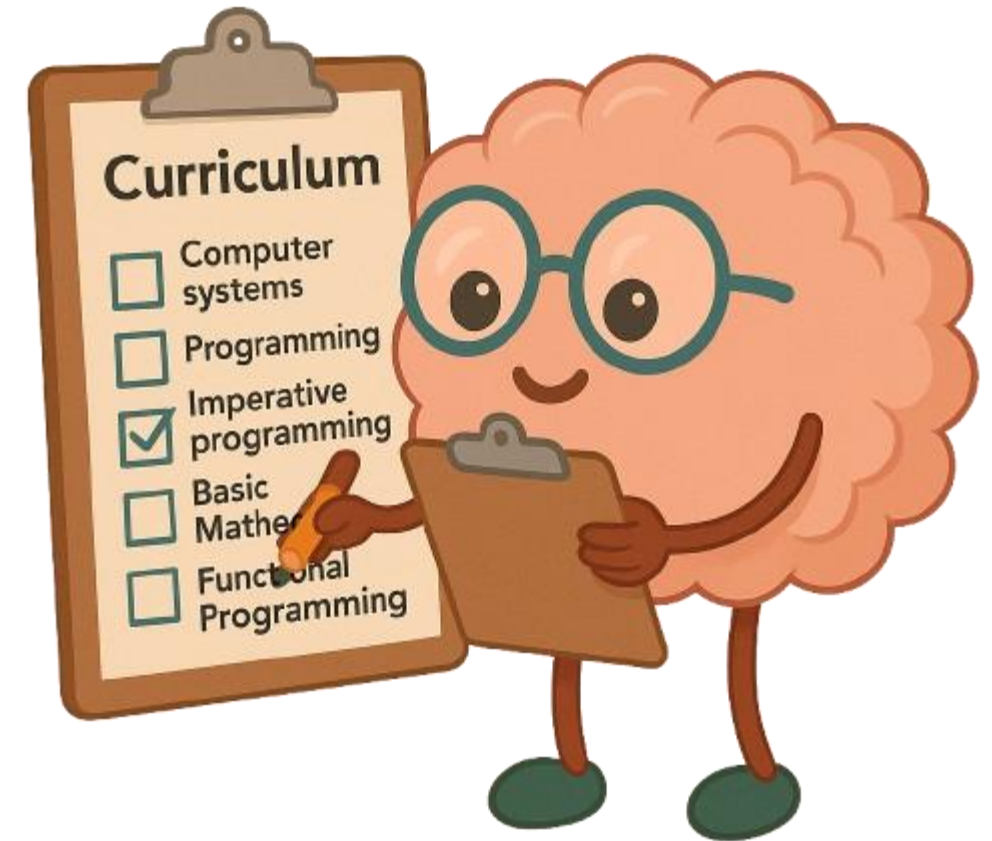
In the BSc programme you have to fulfill altogether 180 credits in the following divisions:

Compulsory subjects 127 cr.

Compulsory elective subjects 23 cr.

Elective subjects 10 cr.

Thesis consultation 20 cr

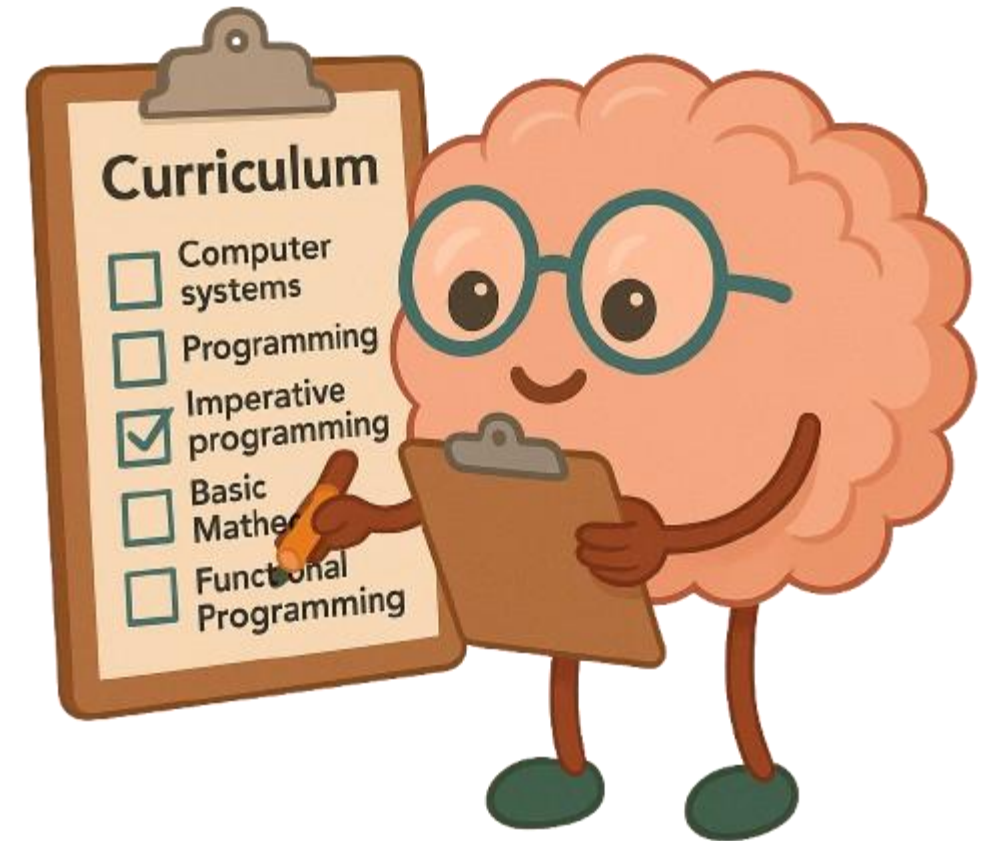


In order to obtain the absolutory (pre-degree certificate) you need to fulfil the subject requirements of the curriculum

MSc programme

In the MSc programme you have to fulfill altogether 120 credits in the following divisions (click on the link):

- [Artificial Intelligence specialization](#)
- [Cybersecurity specialization](#)
- [Fintech specialization](#)
- [Software and Service Architecture specialization](#)
- [Digital Factory specialization \(Szombathely\)](#)
- [MSc in Autonomous Systems](#)
- [MSc in Data Science](#)
- [MSc in Geoinformatics](#)
- [MSc in Geography](#)



Understanding the curriculum:

MSc in Computer Science-Artificial Intelligence specialization

Compulsory subjects 37 cr.

Compulsory elective 47 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.



Understanding the curriculum:

MSc in Computer Science – Cybersecurity specialization

Compulsory subjects 56 cr.

Compulsory elective 28 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.



Understanding the curriculum:

MSc in Computer Science – Fintech specialization

Compulsory subjects 58 cr.

Compulsory elective subjects 26 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.

Understanding the curriculum: MSc in Computer Science – Software and Service Architecture specialization

Compulsory subjects 54 cr.

Compulsory elective subjects 30 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.

MSc students in Computer Science must accomplish a 240-hour internship. It does not have a credit value, however, its completion is a precondition for obtaining an absolutory (pre-degree certificate). You can read detailed information about the internship [HERE](#).

Understanding the curriculum: MSc in Computer Science – Digital Factory specialization (Szombathely)

Compulsory subjects 74 cr.

Compulsory elective subjects 10 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.

MSc students in Computer Science must accomplish an 240-hour internship. It does not have a credit value, however, its completion is a precondition for obtaining an absolutory (pre-degree certificate). You can read detailed information about the internship [HERE](#).

Understanding the curriculum: MSc in Autonomous Systems

Compulsory subjects 43 cr.

Compulsory elective subjects 41 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.

MSc students in Autonomous Systems must accomplish an 240-hour internship. It does not have a credit value, however, its completion is a precondition for obtaining an absolutory (pre-degree certificate). You can read detailed information about the internship [HERE](#).

Understanding the curriculum: MSc in Data Science

Compulsory subjects 73 cr.

Compulsory elective subjects 11 cr.

Elective subjects 6 cr.

Thesis Consultation 30 cr.

MSc students in Data Science must accomplish an 240-hour internship. It does not have a credit value, however, its completion is a precondition for obtaining an absolutory (pre-degree certificate). You can read detailed information about the internship [HERE](#).

Understanding the curriculum: MSc in Geoinformatics (120 credits)

Compulsory subjects 70 cr.

**Compulsory elective subjects
(A modul/ B modul) 24 cr.**

Elective subjects 6 cr.

Thesis 20 cr.



Understanding the curriculum: MSc in Geography (120 credits)

Compulsory subjects 44 cr.

Geography+Geoinformatics module 31 cr.

Compulsory elective subjects 15 cr.

Elective subjects 6 cr

Complex field practice 4 cr

Thesis 20cr

