Bachelors Degree Programme in Sciences, Mathematics (ENMA) – Instructions for Spring Semester 2026

Please note that as a student on this programme, you must apply for courses at universityadmissions.se or Antagning.se ahead of each semester (April 15 at the latest for the autumn semester and October 15 at the latest for the spring semester). You must also confirm attendance when you get your notification of admission.

As a programme student you are guaranteed a study place in compulsory and alternative-compulsory courses as long as you fulfill the prerequisites. When applying for elective courses, especially for courses given by other departments, it is advisable to apply for a few alternative courses. It is sometimes also possible to make a so-called late application to some courses.

Please start by reading the general instructions for applying for courses within a study programme.

Programme Structure

To receive a Bachelor's degree in Mathematics from Lund University, you need to complete 180 ECTS credits worth of courses according to the following.

•75 credits of **compulsory courses**, indicated below by *. The majority of these will be taken in your first year, since they are required for most other courses within the programme.
•30 credits of **alternative-compulsory courses**, indicated below by **. These are chosen from a list of available options, beginning in your third semester.
•60 credits of **elective courses**. At least 30 credits must be in a non-mathematical subject. The choice of other elective courses should ensure that the prerequisites for the future degree project are fulfilled.
•A 15 credits **Bachelor's degree project**. You can do your degree project in one of the three areas Mathematics, Numerical Analysis, and Mathematical Statistics. Each one of these specializations has different prerequisites.

For more information, see https://www.maths.lu.se/english/education/mathematics-bachelors-programme/programme-structure/.

Programme Overview

Year 1

All courses in your first year are compulsory for your degree. They are typically used as prerequisites for the other courses in your education.

Semester 1 - Autumn

• MATA31 Mathematics: Analysis in One Variable, 15 ECTS *
• MATA32 Mathematics: Algebra and Vector Geometry, 7,5 ECTS *
• NUMA01 Numerical Analysis: Computational Programming with Python, 7,5 ECTS *

Semester 2 - Spring

• MATB21 Mathematics: Analysis in Several Variables 1, 7,5 ECTS *
• MATB32 Mathematics: Linear Algebra, 7,5 ECTS *
• MATB23 Mathematics: Analysis in Several Variables 2, 7,5 ECTS *
• MATB33 Mathematics: Introduction to Higher Analysis, 7,5 ECTS *

Year 2

Semester 3 - Autumn

The following compulsory and alternative compulsory courses are given each autumn semester:

• MASA03 Mathematical Statistics: Basic Course, 15 ECTS *

• MATB34 Mathematics: Linear Analysis, 7,5 ECTS **
• MATB35 Mathematics: Discrete Mathematics, 7,5 ECTS **
• MATC21 Mathematics: Complex Analysis 1, 7,5 ECTS**
• MATC22 Mathematics: Ordinary Differential Equations 1, 7,5 ECTS**

• NUMB11 Numerical Analysis: Numerical Linear Algebra, 7,5 ECTS**
• NUMA41 Numerical Analysis, Basic Course, 7,5 ECTS**

The compulsory course MASA03 may be deferred to semester 5, unless you intend to specialize in Mathematical Statistics.

Semester 4 - Spring

The following alternative-compulsory courses and relevant elective courses are given each spring semester[1]. This semester is also suitable to take elective courses in other subjects.

• MATB34 Mathematics: Linear Analysis, 7,5 ECTS **
• MATC25 Mathematics: Calculus of Variations, 7,5 ECTS
• MATC31 Algebraic Structures, 7,5 ECTS **

• MASC01 Probability Theory, 7,5 ECTS **
• MASC12 Statistical Inference Theory, 7,5 ECTS **, given only even years!
• MASC15 Design of Experiments, 7,5 ECTS

(Electives on second cycle-level)
• MATM20 Mathematical Modelling 2, 7,5 ECTS, given only odd years!
• MATM32 Complex Analysis 2, 7,5 ECTS
• MATM36 Topology, 7,5 ECTS
• MATM39 Integration Theory, 7,5 ECTS
• MATM42 Ordinary Differential Equations 2, 7,5 ECTS

Semester 5 - Autumn

The course selection this semester should ensure that you are able to fulfill the degree requirements by the end of your third year. You should also ensure that you meet the prerequisites for at least one of the degree project specializations.

Semester 6 - Spring

In your last semester, you will do one of the following degree projects.
• MATK11 Mathematics: Bachelor's Degree Project,
• MASK11 Mathematical Statistics: Bachelor's Degree Project, or
• NUMK11 Numerical Analysis: Bachelor's Degree Project.

In parallel with your degree project, you will typically need to take your final 15 credits worth of courses.

Prerequisites for degree project specializations:

[1] Except MASC12 Statistical Inference Theory, 7,5 ECTS, which is only given every second (even) year, and MATM20 Mathematical Modelling 2, 7,5 ECTS, which is only given every second (odd) year.

The degree project MATK11 in Mathematics requires you to have completed at least 90 credits worth of courses in “pure” Mathematics. These are the courses with course codes beginning with MAT. These 90 credits must include the 52.5 credits of compulsory MAT courses in the first year. Note that to fulfill the 90 credits requirement, you must have at least one MAT course among your elective courses.

The degree project NUMK11 in Numerical Analysis requires you to have completed at least 90 credits in Mathematics, including 22.5 credits in Numerical Analysis corresponding to the courses NUMA01, NUMA41, and NUMB11. It is highly recommended that you also take MATC22 and NUMN32.

The degree project MASK11 in Mathematical Statistics requires you to have completed the compulsory course MASA03, the alternative compulsory course MASC01, and an additional 15 credits of courses in Mathematical Statistics. These are the courses with course codes beginning with MAS. Furthermore, you need to have at least one of the courses MATB34 or MATB35. Note that to be eligible for MASK11 in your sixth semester, it is imperative that you take MASA03 in your third semester and MASC01 in your fourth semester.

Guaranteed admission to compulsory courses

On the Bachelor degree programme in Science, you are guaranteed to be admitted to compulsory courses within your specialisation, if you

1. apply for the courses before the deadline,
2. apply for the course within the programme specialisation for the relevant semester (i.e. the semester the course, according to the programme plan, i supposed to be taken),
3. meet the entry requirements, and
4. reply to the notification of admission before the deadline.

Applying for courses

If a course is available both within your programme and as a free-standing course, you must actively choose one of the alternatives. As a student on a degree programme, you should give highest priority to your applications within the programme. That way, you will not risk having unnecessary gaps in your degree programme studies.

Since admission to elective courses outside the field of mathematics offered by our department is not guaranteed, you should always apply for a few additional courses (as reserve options) to reduce the risk of not achieving full-time studies within your programme during that particular semester.

If you cannot find the courses that you should be able to apply for within your programme or have problems finding courses for both study periods, please contact your study advisor for help (well before the deadline).

After the application deadline, you cannot change the order of the courses. What you can do though is to delete one or more of the courses, as long as you do this before the date of the first selection (December 7 at the latest).

Conditional admission offer

You may receive a conditional admission offer for a course that you are not eligible for when applying. In that case you must show that you meet the entry requirements at the latest by the start of the course. If you don't think you will be able to meet the entry requirements at the start of the course at the latest, you should delete the course from your application (and this you then must do *before* the first selection; December 7 at the latest).

If you are uncertain whether you are eligible, or can become eligible, for a course you would like to take, please contact the relevant study advisor (before you apply for the course, and well before the deadline), to find out if you meet the entry requirements for the course.

Maximum 180 credits within the programme, up to 45 credits/semester

The Bachelor's degree programme consists of 180 credits. This also means that you may not be admitted to any more than 180 credits within the programme. ***If you apply for too many courses, then you may not be able to apply for the courses necessary to obtain your degree***. For this reason, we ask you to keep the following in mind:

- The nominal study pace for "full time studies" is 30 credits per semester.
- If you wish to study at "increased pace", then you may be admitted to up to 45 credits per semester within the programme. We strongly recommend that you contact the department study advisor before

engaging in studies at increased pace. *This is especially important if you are liable for tuition fees.*
- If you have registered for a course but have not yet participated in any form of examination activity, then you must discontinue the course *within the first three weeks from the course start* (if you do it later it will still count as credits you can take within the programme!). This is particularly relevant if you realize that you do not wish to finish a course. To discontinue a course, you may either contact the department or do it yourself in Ladok; find the course and choose "I no longer wish to attend".

Alternativ:

- **If you have registered for a course and realize early on that you do not wish to complete it — and have not yet participated in any examination activity — you should discontinue the course within the first three weeks from the course start.**
  If you withdraw later, the course will still count toward the total number of credits you can take within the programme.

  To discontinue a course, you can either contact the department or do it yourself in Ladok. Simply find the course and select **"I no longer wish to attend."**
  Note: This option is only available if you have not participated in any examination activity.

The maximum credits you can be admitted to within the programme are 45 per semester.

If you apply for courses within the programme, and you already are registered for 180 credits (the full scope of the programme), these courses will be transferred to freestanding courses, if possible, otherwise they will be deleted. If you are registered for more than 135 credits, the maximum credits you can be admitted to within the programme will be lowered accordingly (if you are registered for 150 credits maximum credits to be admitted to will be lowered to 30, if you are registered for 165 credits maximum credits to be admitted to will be lowered to 15, and so on).

Selection

The selection to courses within the programme is based on the number of academic credits earned within the programme. Information on the selection to courses taken as a freestanding course, you will find under the respective course on the "LU course webb"

Approved leave

If you want to take an approved leave or to withdraw from your studies, you are to apply for permission through your study advisor.

General instructions for applying for courses within a study programme spring semester 2026

Last day for application

Last application date for the spring semester 2026 is October 15. The application period normally opens one month before the last application date. Since it usually is a lot of people applying for courses on the last application date, you should try and apply before that.

Application

For the next semester you either apply at universityadmissions.se, sign up for courses on "Studentportalen" or get the courses automatically. What applies for your programme is described in the instructions above.

Applying at universityadmissions.se

To find courses at universityadmissions.se that you can apply for within your study programme you first need to log in: Go to "Log in", choose "University account" and choose "Lund University" in the scroll list under "Log in via university account". Use your student account user ID to log in. That means you must have access to your student account and password.

If you lost your user ID or password, you can create a new one using passport.lu.se where you log in with your personal ID and password from universityadmissions.se/antagning.se. You can also go to a student desk at the university and get a one-time code that you can use to set a new password. You may contact LU Service Desk at tel 046-222 90 00 weekdays between 08 and 17.

Read more on LU Service Desk webpage.

Note that LU Service Desk cannot answer admissions questions.

If you need a new password for universityadmissions.se please follow instructions here.

Appendices

Normally, no appendices need to be enclosed; however, please see enclosed instructions for your programme.

Selection results

The Notification of Selection Results is sent out December 10 at the earliest.

If you have applied via Universityadmissions.se / Antagning.se you will get an e-mail, to the e-mail address you have stated in your user account, with information that your selection result is available on Universityadmissions.se / Antagning.se

Reply to your offer

Any student admitted or placed on a waiting list must respond. It is necessary to respond to the admissions decision no later than the date specified in the admissions decision; otherwise, you will lose your place: Last day to reply is December 15!

You are obliged to ensure that the decision reaches you. If you have not received the admissions decision December 12 please contact us at 0771-550720, so you have time to reply in time.