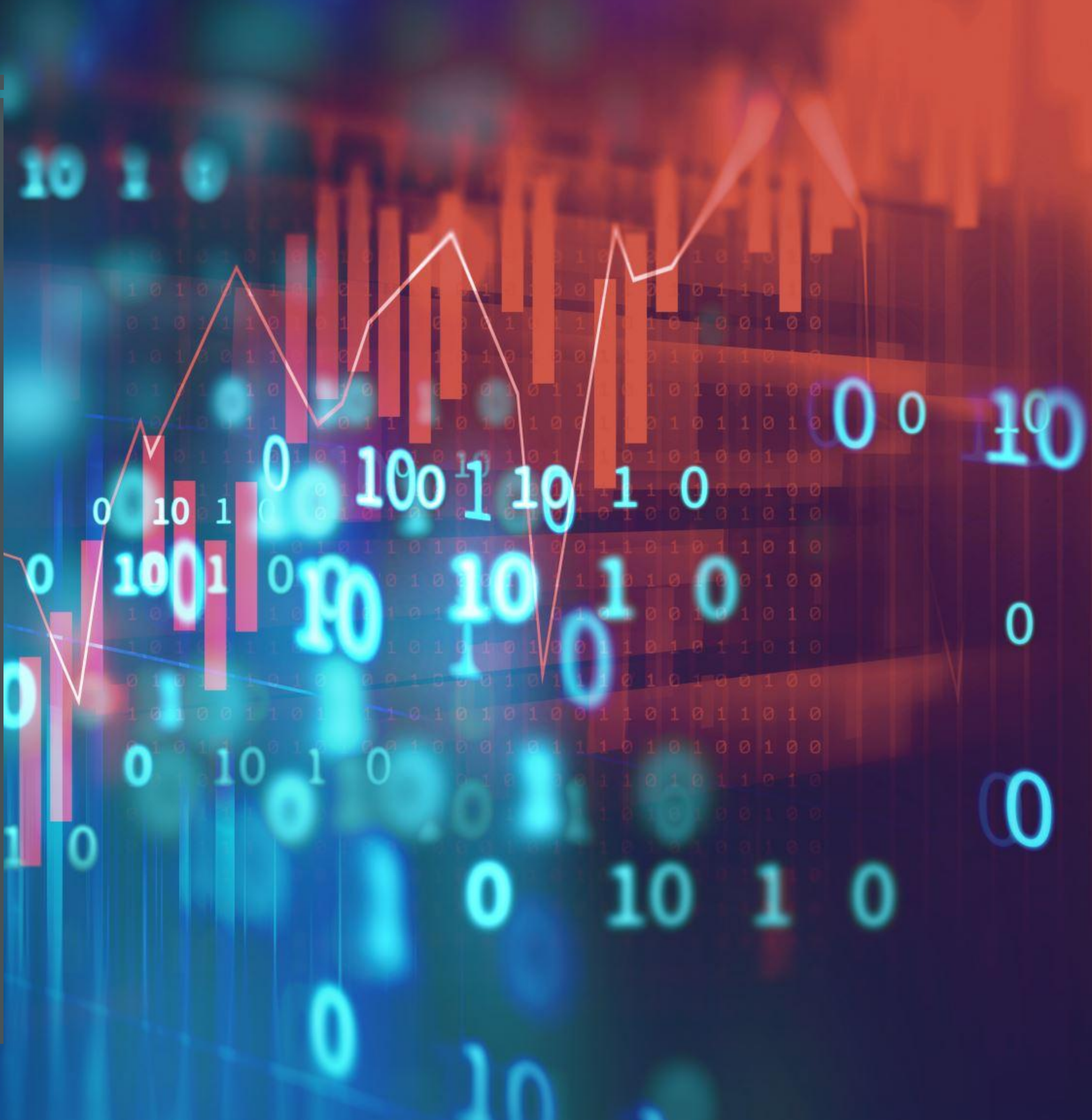
ASHOKA ECONOMICS

ACADEMIC EXPO, August 2026



VARIETY OF PROGRAMS

- Economics based Foundation Courses
- Economics Major
- Interdisciplinary Major
  - Economics and Finance
  - Economics and Public Policy
  - Philosophy, Politics and Economics (PPE)
  - Economics and History
  - Computer Science, Economics and Maths
- Minor
- Concentration

Remember: across all majors a student cannot take more than 4 courses with FIN course code.

A COMMON PRE-REQ

- **Maths in 11th & 12th class for all economics related programs (highly recommended)**
- **No Class 11-12 maths but still want to study economics?**
  - **Take MAT 1000 (Calculus) in first semester and obtain a minimum A- grade**
- Economics is both quantitative and qualitative. Quantitative will be a major focus.
- By the standards of mathematicians, the amount of mathematics used in most fields of economics is not much. Even this small amount of math is very powerful.
- To succeed in economics, it is not important to be proficient in mathematics. It is important to understand mathematical ideas and apply them well.

ECONOMICS PROGRAM IS **SEQUENTIAL**

- There is a common structure to economics programs all over the world.
- First, the students are trained to think like economists. This requires understanding the core concepts and tools of economics.
- Second, the training is used to illuminate important economic issues – whether relating to inflation, fiscal policy, design of health and education programs, the environment, gender, caste and so on.

WHAT QUESTIONS CAN YOU ANSWER?

- Example 1: Farm laws (2020): farmers can sell anywhere and not just in government controlled APMCs, contract farming allowed, removes various crops from the list of essential commodities, What is the overall impact of these changes? Improves farmer welfare?
- Example 2: Should free electricity be provided; should free health and education be provided. Who gains? Who loses? Is this a good or bad policy?
- Example 3: Is it a good idea to split up large states into smaller ones? If so, what difference does it make to economic indicators like GDP?
- Example 4: Should all children be required to attend pre-school? Would that impact their cognitive abilities? And if so, by how much?

TECHNIQUES AND APPLICATION

- To even think about how these questions can be answered, you need training in microeconomics/macroeconomics and econometrics (statistical analysis of economic data).
- Finally, there are many fundamental questions: e.g., understanding the extent of cooperation in society, understanding economic inequality and its relation with social deprivation, understanding how well conventional economic measures capture societal and individual well-being etc.
- All of these require a solid foundation of economic and statistical analysis.

ECONOMICS EDUCATION: INVEST FIRST AND REAP REWARDS

- Much of the economics program till the third year emphasizes training your mind in economic concepts and analysis.
- Although there will be lots of examples illustrating their application, it is the elective courses in the third year that systematically apply the training to various economic issues and topics.
- Be patient, learn well and you will reap ample rewards in the third year and beyond.
- The training that you will receive will enable to think about and analyze difficult economic issues systematically.

FOUNDATION COURSES OFFERED BY THE ECONOMICS DEPARTMENT

- FC requirements for all UG students are stipulated by the OAA. All students have to follow those.
- This year the economics department is offering two foundation courses under this label.
- Two sections of one FC is being offered by the economics department under the category "Economics, Politics and Society"
- The department will also offer an FC under the category "Quantitative Reasoning and Mathematical Thinking". This will be on the application of mathematics in the liberal arts.

FOUNDATION COURSES OFFERED BY THE ECONOMICS DEPARTMENT

- No mathematics prerequisite for these courses
- The economics foundation course are not mandatory for any of the Econ programs. Nor does it fulfill any of the Econ program requirements.
- You can also opt for an "Economy, Politics and Society" or "Quantitative Reasoning and Mathematical Thinking" foundation course offered by some other department.

INTRODUCTION TO ECONOMICS

- The first course **mandatory** to all the Econ programs
- It is the exception that proves the rule - because this course is not so much about techniques but about some of the major issues in economics.
- It is a sampler.

OTHER MANDATORY/CORE COURSES*

- Mathematics for Economists (Year 1)
- Statistics (Year 2)
- Econometrics (Year 2)
- Microeconomic Theory I and II (Year 2)
- Macroeconomic Theory I and II (Year 2)
- Development Economics (Year 3)
- Math course must precede all others. Stats course precedes Econometrics. Micro I precedes Micro II and so on.

* The requirements differ for the CS-EcO-Maths Interdisciplinary major. Please see later and in the handbook.

LIST OF OFFERED CORE COURSES, SEMESTERS AND PRE-REQS

Nine compulsory courses follow a fixed seasonal sequence

SPRING ('27)
Foundation Core

Introduction to Economics (ECO 1001)
No prerequisite

Mathematics for Economics (ECO 1010)
Class XI–XII Math OR Calculus (A− or above; MAT 1000/1005)

→

MONSOON ('27)
CORE I

Statistics for Economics (ECO 1400)
← XI–XII Math + ECO 1010

Microeconomic Theory I (ECO 2101)
← ECO 1001 + ECO 1010

Macroeconomic Theory I (ECO 2201)
← ECO 1001 + ECO 1010

→

SPRING ('28)
CORE II

Econometrics (ECO 2400)
← ECO 1400

Microeconomic Theory II (ECO 2102)
← ECO 2101

Macroeconomic Theory II (ECO 2202)
← ECO 2201

→

MONSOON ('28)
CORE III

Development Economics (ECO 3500)
← ECO 2102 + ECO 2101 + ECO 2400

Sequencing is important

Finish Intro Econ and Mathematics for Economics before the Monsoon core. Statistics → Econometrics; Theory I → Theory II.

COURSE PLANNING IS IMPORTANT

- For instance, Intro to Econ and Math for Economists will be offered in Spring 2027
- Micro 1, Stats and Macro 1 will be offered in Monsoon 2027
- So if you miss either of the Intro to Econ or the Math course, then you cannot do the mandatory econ courses in Monsoon 2027. You will have to wait a year to start these courses.
- So keep the Econ calendar for mandatory courses in mind.

ELECTIVE COURSES

Some of these courses will also be offered as PUB electives:

- Indian Economy
- Industrial Organisation
- Experimental Economics
- Behavioral Economics
- Public Economics
- Labour Economics
- Health Economics
- Macroeconomic Policy
- Trade Policy
- Agri-food systems and Economic Development

MORE ELECTIVE COURSES

- Machine Learning in Economics
- Economics of Gender
- Economics of Discrimination
- Economics of Food Security
- Political Economy
- Environmental Economics
- Advanced Econometrics
- Time Series Econometrics
- Monetary Economics

EVEN MORE…

- International Economics
- International Finance
- Game Theory and Applications
- Economics of Information
- Networks, Markets and Crowds
- Topics in Microeconomic Theory
- Axiomatic Methods and Fair Division
- Pricing Theory and Public Policy
- Mechanism Design

CREDIT REQUIREMENTS (OVERALL)

- For the 3 year BA/BSc Honours you need to do total 120 credits
- For the 4 year BA/BSc Honours you need to do total 160 credits

- In the 4th year, there is an option to choose the "research track": UG dissertation for 12 credits

- Two types of credits:
  - **Academic**
  - Non-academic credits (co-curriculars+internships)

4-year NEP Program: applicable to the entering batch in 2024-25

- Undergraduate batches admitted in 2022 onwards will fall within the 4-year NEP Programs
- Within this structure, the students have exit options after every year. The following is the nomenclature for degree awarded
- **For further details contact the OAA.**

EXIT DURATION	DEGREE AWARDED
Completion of four year program	B.A/B.Sc. (Honours, four year program) or B.A/B.Sc. (Honours with Research)
Exit at the end of three years	B.A/B.Sc Honours (Major, three year program)
Exit at the end of two years	Diploma
Exit at the end of one year	Certificate

CREDIT REQUIREMENTS FROM THE ECON DEPARTMENT

- For the 3 year BA/BSc you need to do 15 major courses (60 credits) from Economics
- For the 4 year BA/BSc Honours you need to do 20 major courses (80 credits) from Economics.
- In the 4th year, there is an option to choose the "research track": UG dissertation for 12 credits, over & above 80 credits.
- Typically: One course=4 credits but exceptions for ISM

4-yr ECON / ECON-ID MAJOR (Hons with Research)

- The **4-year Research** option requires a major CGPA of 3.6 at the end of three years. A total of 12 extra credits for Research will be divided across two semesters:
  - Monsoon Semester Capstone Course Code: ECO-CP-4997 (4 credits)
  - Spring Semester Capstone Course Code: ECO-CP-4998 (8 credits)
  - Exit for those with grade lower than B in Monsoon Semester Capstone Course (Semester 7) and/or find themselves unsuitable for research. Their Monson Sem Capstone credits (4 credits) to count towards non-major ISM.
- Students need to approach potential supervisors at the end of the Spring semester after their 3rd year UG degree. If a permanent faculty member of the Economics department agrees to become their superviser, then they can register for ECO-CP-4997 in their 7th semester.
- Students need to complete the 12 credits for Research in addition to 80 credits in 4-year Econ/Econ-ID major requirements.

3-yr AND 4-yr DEGREES ECO-FIN (B.Sc. Hons)

	3-yr Econ Major	**3-yr Econ-Fin Major**	**4-yr Econ Major**	**4-yr Econ-Fin Major**
Overview	15 courses in all	15 courses in all	20 courses in all	20 courses in all
Compulsory Courses	- Introduction to Economics - Mathematics for Economists - Statistics, and Econometrics - Micro Theory I and II - Macro Theory I and II - Development Economics **[9 in all over 3 years]**	- All 9 compulsory courses for 3-yr Econ major	- All 9 compulsory courses for 3-yr Econ major	- All 9 compulsory courses for 4-yr Econ major
Electives	Any 6 electives. Cannot take more than 4 courses with FIN course code.	Any 6 ECO/FIN electives. Of this 6, at least 3 FIN electives but not more than 4 FIN	Any 11 electives. Cannot take more than 4 courses with FIN course code.	Any 11 ECO/FIN electives. Of this 11, exactly 4 FIN electives.

3-yr AND 4-yr DEGREES for ECO-PUB (B.A. Hons)

	3-yr Econ-Pub Major	**4-yr Econ-PUB Major**
Overview	15 courses in all	20 courses in all
Compulsory Courses	- All 9 compulsory courses for 3-yr Econ major	- All 9 compulsory courses for 4-yr Econ major
Electives	Any 6 econ/PUB electives. Of this 6, at least 3 PUB electives. Cannot take more than 4 courses with FIN course code.	Any 11 econ/PUB electives. Of this 11, at least 4 PUB electives . Cannot take more than 4 courses with FIN course code.

3-yr AND 4-yr Philosophy, Politics and Economics (PPE): ECONOMICS REQUIREMENTS

	3-YEAR PPE	**4-YEAR PPE**
PROGRAM SIZE	15 COURSES	20 COURSES
DISCIPLINE BALANCE	**At least 4 courses (16 credits) in each of Economics, Philosophy and Politics**	**At least 4 courses (16 credits) in each of Economics, Philosophy and Politics plus one course in Stats from Econ/POL dept.**
COMPULSORY ECONOMICS	**4 COURSES** Introduction to Economics Mathematics for Economists Microeconomic Theory I Macroeconomic Theory I	**4 COURSES + 1 course** Introduction to Economics Mathematics for Economists Microeconomic Theory I Macroeconomic Theory I Statistics for Economics* (if you want to pursue econ electives with this pre-req) or Pol Econ Quant course

***THE 4-YEAR PPE ADDS STATISTICS FOR ECONOMICS TO THE COMPULSORY CORE IF THE STUDENTS WANT TO PURSUE ANY ELECTIVES IN ECONOMICS WHICH REQUIRE STATISTICS FOR ECONOMICS AS A PREREQUISITE.**

3-yr AND 4-yr ECO–HIST ID: ECONOMICS REQUIREMENTS

	3-YEAR ECONOMICS & HISTORY	4-YEAR ECONOMICS & HISTORY
PROGRAM SIZE	15 courses in total	20 courses in total
DISCIPLINE BALANCE	At least 7 Economics + 7 History courses	10 Economics + 10 History courses
COMPULSORY ECONOMICS	**4 COURSES** Introduction to Economics Mathematics for Economics Microeconomic Theory I Macroeconomic Theory I	**5 COURSES** Introduction to Economics Mathematics for Economics Microeconomic Theory I Macroeconomic Theory I Statistics for Economics
ADDITIONAL ECONOMICS	**At least 3 more Economics courses** **Statistics or any 2000-level+ course** Cannot take more than 4 courses with FIN course code.	**5 more Economics courses** **Any 2000-level+ course** Cannot take more than 4 courses with FIN course code.

PREREQUISITES APPLY FOR ECONOMICS ELECTIVES• CHECK HISTORY REQUIREMENTS WITH THE HISTORY DEPARTMENT

SAMPLE STRUCTURE: 4-YR ECONOMICS PROGRAM

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII
Foundation Course	Foundation Course	Foundation Course	Foundation Course	Development Economics	Econ Elective 3	Econ Elective 6	Econ Elective 9
Foundation Course	Foundation Course	Microeconomic Theory I	Microeconomic Theory II	Econ Elective 1	Econ Elective 4	Econ Elective 7	Econ Elective 10
Foundation Course	Foundation Course	Macroeconomic Theory I	Macroeconomic Theory II	Econ Elective 2	Econ Elective 5	Econ Elective 8	Econ Elective 11
Foundation Course	Introduction To Economics	Statistics For Economics	Econometrics				
	Math for Economics						

* This is an indicative table on how to spread Foundation Courses and Economics Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

SAMPLE STRUCTURE: 4-YR ECONOMICS & FINANCE PROGRAM

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII
Foundation Course	Foundation Course	Foundation Course	Foundation Course	Development Economics	Econ Elective 2	Econ Elective 4	Econ Elective 6
Foundation Course	Foundation Course	Microeconomic Theory I	Microeconomic Theory II	Econ Elective 1	Econ Elective 3	Econ Elective 5	Econ Elective 7
Foundation Course	Foundation Course	Macroeconomic Theory I	Macroeconomic Theory II	Finance Elective 1	Finance Elective 2		
Foundation Course	Introduction To Economics	Statistics For Economics	Econometrics	Finance Elective 3	Finance Elective 4		
	Math for Economics						

*This is an indicative table on how to spread Foundation Courses and Economics Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

SAMPLE STRUCTURE: for 3-YR exit option ECONOMICS PROGRAM

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI
Foundation Course	Foundation Course	Foundation Course	Foundation Course	Development Economics	Econ Elective 4
Foundation Course	Foundation Course	Microeconomic Theory I	Microeconomic Theory II	Econ Elective 1	Econ Elective 5
Foundation Course	Foundation Course	Macroeconomic Theory I	Macroeconomic Theory II	Econ Elective 2	Econ Elective 6
Foundation Course	Introduction To Economics	Statistics For Economics	Econometrics	Econ Elective 3	
	Math for Economics				

* Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters

SAMPLE STRUCTURE: for 3-YR exit option ECO-FIN PROGRAM

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI
Foundation Course	Foundation Course	Foundation Course	Foundation Course	Development Economics	Econ Elective 2
Foundation Course	Foundation Course	Microeconomic Theory I	Microeconomic Theory II	Econ Elective 1	Econ Elective 3
Foundation Course	Foundation Course	Macroeconomic Theory I	Macroeconomic Theory II	Finance Elective 1	Finance Elective 2
Foundation Course	Introduction To Economics	Statistics For Economics	Econometrics	Finance Elective 3	
	Math for Economics				

*This is an indicative table on how to spread Foundation Courses and Economics Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

4-yr DEGREE for CS-ECO-Maths (B.Sc. Hons)

	4-yr CS-ECO-Maths Major	**4-yr CS-ECO-Maths Major (with Research)**
Overview	20 courses in all	20 courses in all
Compulsory Courses	CS (5 courses) ECO (5 courses) Maths (5 courses)	CS (5 courses) ECO (5 courses) Maths (5 courses)
Electives	Any 5 CS/ECO/Math electives	Any 5 CS/ECO/Math electives **Project/Thesis (12 credits)**

* Note: there is no 3-year exit option for this interdisciplinary major at present. Cannot take more than 4 courses with FIN course code as electives.

CS–ECO–MATH: COURSES, PREREQUISITES & PLANNING

Probability & Statistics pathway · 15 compulsory courses (5 per discipline) + 5 CS/ECO/Math electives

COMPUTER SCIENCE

Intro to Computer Science

Discrete Mathematics

Data Structures & Algorithms (DSA)
⟵ Intro CS + Discrete Math

Design & Analysis of Algorithms
⟵ DSA + P&S

Intro to Machine Learning
⟵ DSA + Calculus + Linear Algebra + P&S

ECONOMICS

Introduction to Economics

Microeconomics I
⟵ Intro Econ + Multivariable Calculus

Macroeconomics I
⟵ Intro Econ + Multivariable Calculus

Microeconomics II
⟵ Microeconomics I

Econometrics
⟵ Probability & Statistics

MATHEMATICS

Calculus

Multivariable Calculus
⟵ Calculus

Probability & Statistics*
⟵ Calculus

Linear Algebra

Real Analysis

KEEP IN MIND

SEASONAL OFFERINGS

Econ (Monsoon): Micro I, Macro I, Stats for Econ
Econ (Spring): Intro Econ, Micro II, Econometrics
CS: DAA (Spring)
Both terms: Intro CS, Discrete Math, ML, DSA

LAST-CHANCE CHECKPOINTS

End Sem 4: Calculus, MVC, P&S, Intro Econ, Intro CS, Discrete Math
Sem 5: Linear Algebra

FOUNDATION COURSES

9 total; ≥3 in Sem 1, ≥2 in Sem 2; finish by end Year 2

CREDIT LOAD

Sem 1: maximum 16 credits
One of Sem 5–6 may carry 24 credits

⟵ indicates prerequisites

***Instead of Probability and Statistics the student can also opt for Statistics for Economics (econ dept course) but then they will need to do an additional course from the math department in lieu (Basic Algebra and Number Theory)**

Open credits: 28; FC credits: 36; Non-academic credits: 6

SAMPLE STRUCTURE: for 4-YR CS-ECO-MATH Program (with Probability and Stats): 3 FC's in SEM I

Course Number	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
1	FC	FC	FC	FC	Macro 1	Real Analysis	CS/Math/Eco Elective	CS/Math/Eco Elective
2	FC	FC	FC	FC	Linear Algebra	Design & Analysis of Algorithms		
3	FC	Multivariable Calculus	Probability and Statistics	Data Structures & Algorithms	Introduction to Machine Learning	CS/Math/Eco Elective		
4	Calculus	Intro to Econ	Introduction to Computer Science	Micro 2	CS/Math/Eco Elective	CS/Math/Eco Elective		
5	X	Discrete Mathematics	Micro 1	Econometrics				
6	X	X	X	X		X		X
2-credit	X							
Thesis	X	X	X	X	X	X	Capstone Thesis	Capstone Thesis
Max 4-credit courses	**16**	**20**	**20**	**20**	**20 in one sem and 24 in another sem**		**20 in one sem and 24 in another sem**	

CS
ECO
Maths
FC

*This is an indicative table on how to spread Foundation Courses and CS/Economics/Maths Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

SAMPLE STRUCTURE: for 4-YR CS-ECO-MATH Program (with Stat for Econ): 3 FC's in SEM I

Course Number	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
1	FC	FC	FC	FC	Macro 1	Real Analysis	CS/Math/Eco Elective	CS/Math/Eco Elective
2	FC	FC	FC	FC	Linear Algebra	Basic Algebra and Number Theory		
3	FC	Multivariable Calculus	Stats for Economics	Data Structures & Algorithms	Introduction to Machine Learning	Design & Analysis of Algorithms		
4	Calculus	Intro to Econ	Introduction to Computer Science	Micro 2	CS/Math/Eco Elective	CS/Math/Eco Elective		
5	X	Discrete Mathematics	Micro 1	Econometrics				
6	X	X	X	X		X		X
2-credit	X							
Thesis	X	X	X	X	X	X	Capstone Thesis	Capstone Thesis
Max 4-credit courses	16	**20**	**20**	**20**	**20 in one sem and 24 in another sem**		**20 in one sem and 24 in another sem**	

CS	
ECO	
Maths	
FC	

*This is an indicative table on how to spread Foundation Courses and CS/Economics/Maths Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

SAMPLE STRUCTURE: 4-YR CS–ECO–MATH (WITH PROBABILITY & STATISTICS) - 4 FC's in SEM I

Course Number	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
1	FC	FC	FC	FC	Micro 1	Micro 2	CS/Math/Eco Elective	CS/Math/Eco Elective
2	FC	FC	FC	Intro to Econ	Macro 1	Real Analysis		
3	FC	Calculus	Multivariable Calculus	Econometrics	Introduction to Machine Learning	CS/Math/Eco Elective		
4	FC	Introduction to Computer Science	Probability and Statistics	Linear Algebra	CS/Math/Eco Elective	CS/Math/Eco Elective		
5		Discrete Mathematics	Data Structures & Algorithms	Design & Analysis of Algorithms				
6								
2-credit	X							
Thesis	X	X	X	X	X	X	Capstone Thesis	Capstone Thesis
Max 4-credit courses	**16**	**20**	**20**	**20**	**20 in one sem and 24 in another sem**		**20 in one sem and 24 in another sem**	

CS
ECO
Maths
FC

*This is an indicative table on how to spread Foundation Courses and CS/Economics/Maths Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

OTHER REMARKS…

- The Department has decided to keep the 4yr Minor requirements for Econ as 24 credits (same as the 3-year minor):
- For the 3-year minor, the present 6-course Econ Minor structure may continue.
  - Four compulsory courses: Introduction to Economics, Maths for Economics, Micro Theory I, Macro Theory I
  - Two optional courses. Other of two combinations: Statistics and Econometrics OR Microeconomic Theory II and Macroeconomic Theory II.
- The "Honours with Research" requirements for the 4-year Economics ID majors: 3.6 major CGPA by the end of Third Year. 12 research credits to be distributed as 4+8
  - Exit for those with a grade lower than than B in Monsoon Semester Capstone Course (in Semester 7) and/or do not find themselves suitable for research. Their Monsoon Sem Capstone credits (4 credits) to count towards non-major ISM.

Please email eco.admin@ashoka.edu.in for any further questions.