

Double Major program in Economics and Entrepreneurship with Data Science

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Introduction

Double Major program in Entrepreneurship and Economics with Data Science

The Double Major program in Entrepreneurship and Economics with Data Science provides a multi-dimensional understanding of the global economy and the business world, while giving the students hands-on knowledge to start their own business or startup, knowledge which is taught both by academic experts as well as industry specialists. The Data part of the degree provides the students with unique data analysis and programming skills. The graduates of this program have superb quantitative and analytical skills as well as leadership skills which allow them to excel in the private and public sector.

A great deal of effort has been expended in preparing this handbook, in order to ensure that its content is complete and accurate. However, changes and alterations to the information are possible. The IDC Herzliya Academic Authorities may cancel, alter or add courses and/or specialization programs, and generate changes in the times of lectures or in the assigned lecturer. Such changes will be published over the course of the year by various means, such as the online handbook on the IDC Herzliya website, and will apply to all IDC Herzliya students, including students of the Raphael Recanati International School, unless specified otherwise.

DNA Course

First-year students in the RRIS international programs will be required to complete the DNA course on Zionism during their first year of studies.

First Year / Entrepreneurship

Course Code	Course Name	Lecture Hours	Recitation Hours	Total Credits	Prerequisites
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Mandatory Courses

Fall Semester Courses

3101	Entrepreneurship, Creativity and Innovation - from 0 to 1	4		4	
5461	Excel for Data Analysis	4		4	
26027	Computational Thinking and Programming in python	4		4	
3913	Research Methods	2		2	
26035	English for Entrepreneurship Advanced B	4		2	

Spring Semester Courses

3941	Financial Management and Entrepreneurial Finance	4	1	4	
2686	Introduction to Data Science	4		4	
2457	Entrepreneurship and Innovation within Organization	2		2	
26035	English for Entrepreneurship Advanced B	4		2	

First Year / Economics

Course Code	Course Name	Lecture Hours	Recitation Hours	Total Credits	Prerequisites
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Mandatory Courses

Fall Semester Courses

9007	Mathematics I for Economics	4		4	
9009	Statistics I for Economics	4	1	5	
5326	Principles of Micro Economics	4	1	4	
26035	Advanced English 2	4		2	

Spring Semester Courses

4415	Introduction to R	2	1	2	
9008	Mathematics II for Economics	4		4	
9010	Statistics II for Economics	4	1	4	
9683	Microeconomics I:Economic decision-making: Consumers and Producers	4	2	5	
6953	Modern Zionism in Light of the Declaration of Independence	2		1	Intensive Course
9684	Principles of Macro Economics	2	2	3	
26035	Advanced English 2	4		2	

Exam Schedule

The dates of the examinations can be found on the IDC Herzliya website under Students > Student Information > Course Catalog, Student Regulations and Syllabus > Search Exams

A personal examinations schedule is published at the Student's Information website (My IDC).

Second Year / Entrepreneurship

Course Code	Course Name	Lecture Hours	Recitation Hours	Total Credits	Prerequisites
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Mandatory Courses

Fall Semester Courses

2454	Legal and Tax Aspects of Entrepreneurial Ventures	2		2	
3033	Presentation Workshop	2		2	Intensive Course
3090	Workshop: Ethics	2		2	Intensive Course
9687	FinTech	2		2	

Spring Semester Courses

9688	Machine Learning	4		4	
5462	Fundamentals Of Accounting	2		2	
2451	Marketing and Digital Marketing Management for Entrepreneurs	2		2	
2455	Databases and SQL	2	2	2	

Second Year / Economics

Course Code	Course Name	Lecture Hours	Recitation Hours	Total Credits	Prerequisites
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Mandatory Courses

Fall Semester Courses

6827	Intermediate Macroeconomics: growth and business cycles analysis	4	2	5	
3059	Microeconomics II- Efficiency, Markets, and Market Failures	4	2	5	
9022	Introduction to Econometrics	4	2	4	

Spring Semester Courses

6828	Intermediate Macroeconomics: micro-foundations of macro models, aggregate labor market, and fiscal policy	4	2	5	
5076	Microeconomics III- Information, Market Power, and Game Theory	4	2	5	
9023	Econometrics 1	4		4	

Third Year / Entrepreneurship

Course Code	Course Name	Lecture Hours	Recitation Hours	Total Credits	Prerequisites
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Mandatory Courses

Year Long Courses

3rd year students are required to choose one mandatory year long Seminar:

3691	A Practical Project in Collaboration with Industry	4* 2**	2	6	
3087	Venture Creation Capstone Project : A	4* 2**		6	
3737	Entrepreneurship Seminar*	4* 2**		6	
3936	Research seminar	4* 2**		6	
6943	Business development and value creation for startups	4* 2**		6	
5361 @	Game Changers - Final Project	4**		4	
5379 @	Gaming-Human Psychology, UX and The Business of Games	4*		4	
5380 @	Tech, Data and AI in Gaming	4*		4	
3937	Practical Seminar in Entrepreneurship - Acceleration	4* 2**		6	
*	Students who are planning to participate in an exchange program abroad, will be taking this seminar				
@	Game Changers program: preliminary selections, the students who will be selected will attend the 5379 and 5380 workshops in the first semester and the 5361 seminar in the second semester.				

Fall Semester Courses

3215	UX UI	2		2	
5090	AI tools for entrepreneurs	2		2	

Spring Semester Courses

5749	BI	4		4	
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5463	Deep Learning	4	4
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Third Year / Economics

Course Code	Course Name	Lecture Hours	Recitation Hours	Total Credits	Prerequisites
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Mandatory Courses

Fall Semester Courses

5386	Applied Economics	4		4	
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Spring Semester Courses

5693	Experiments and Behavioral Economics	2		2	
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5386	Applied Economics	4		4	
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