

# The dual-degree program with Computer Science

## Recommended program

Course No.	Course Name	No. of Credit	Course No.	Course Name	No. of Credit
<b>Semester 1</b>			<b>Semester 2</b>		
201-10201	<a href="#">Introduction to Logic and Set Theory</a>	5.00	201-12371	<a href="#">Calculus 1 for Computer Science and Software Engineering</a>	5.00
201-12361	<a href="#">Calculus 1 for Computer Science and Software Engineering</a>	6.00	203-11331	<a href="#">Physics 1C</a>	4.00
204-15081	<a href="#">General and Analytical Chemistry</a>	5.50	204-11621	<a href="#">Introduction to Physical Chemistry 1</a>	3.00
206-11031	<a href="#">Introduction to Minerals and Rocks</a>	4.25	206-11041	<a href="#">Introduction to Dynamic Geology</a>	3.50
206-11051	<a href="#">Geometrical Crystallography</a>	1.00	206-11121	<a href="#">Introduction to Paleontology</a>	2.00
206-11134	<a href="#">Minerals and Rocks in the Field</a>	0.75	153-15051	<a href="#">Advanced English 2</a>	2.00
299-11121	<a href="#">Library Orientation</a>	0.00		<b>Total</b>	<b>19.5</b>
900-55001	<a href="#">Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment</a>	0.00			
	<b>Total</b>	<b>22.5</b>			
<b>Semester 3</b>			<b>Semester 4</b>		
201-19531	<a href="#">Linear Algebra for Engineering</a>	4.50	202-11031	<a href="#">Data Structures</a>	5.00
202-11011	<a href="#">Introduction to Computer Science</a>	5.00	202-11061	<a href="#">Discrete Structures and Combinatorics</a>	5.00
206-12071	<a href="#">Introduction to Geomechanics</a>	2.50	206-12041	<a href="#">Stratigraphy (Or in Semester 8)</a>	2.00
206-12181	<a href="#">Sedimentology</a>	3.00	206-12121	<a href="#">Igneous and Metamorphic Petrology</a>	3.25
206-12241	<a href="#">Mineralogy</a>	3.00	206-12191	<a href="#">Introduction to Geochemistry</a>	2.50
206-12284	<a href="#">Geological Excursion to the Negev</a>	1.00	206-12341	<a href="#">Programming For Earth sciences</a>	2.00
206-13391	<a href="#">Introduction to Hydrology</a>	2.50	206-12251	<a href="#">Mapping</a>	4.50
	<b>Total</b>	<b>21.00</b>			
				<b>Total</b>	<b>24.25</b>
<b>Semester 5</b>			<b>Semester 6</b>		
201-19831	<a href="#">Probability Theory 1</a>	3.50	201-19421	<a href="#">Introduction to Statistics A</a>	2.50
202-12031	<a href="#">Systems Programming</a>	5.00	202-12011	<a href="#">Automata Formal Languages &amp; Computability</a>	5.00
202-12041	<a href="#">Design of Algorithms</a>	5.00	202-12051	<a href="#">Principles of Programming Languages</a>	5.00
203-11431	<a href="#">Physics 2C (Or in Semester 7)</a>	4.00	202-12091	<a href="#">Computer Architecture and system programming laboratory</a>	4.00
361-13131	<a href="#">Digital Systems</a>	3.50	361-13301	<a href="#">Introduction to Computer Science &amp; Software Engineering</a>	3.50
	Electives in Geological or Computer Science	3.00		Electives in Geological or Computer Science	3.00
	<b>Total</b>	<b>24.00</b>		<b>Total</b>	<b>23.00</b>
<b>Semester 7</b>			<b>Semester 8</b>		
202-13011	<a href="#">Introduction to Numerical Analysis</a>	4.50	202-13031	<a href="#">Operating Systems</a>	5.00
202-13021	<a href="#">Compiler Principles</a>	4.50	206-12041	<a href="#">Stratigraphy (Or in Semester 4)</a>	2.00
206-12311	<a href="#">Structural Geology</a>	3.50	206-12261	<a href="#">Geology of Israel A</a>	2.00
206-13041	<a href="#">Introduction to Geophysics</a>	2.50	206-13091	Plate tectonics	2.50
			206-13531	Seminar (and Student Seminar)	2.00
	Electives in Geological or Computer Science	9.00		Electives in Geological or Computer Science	9.75
	<b>Total</b>	<b>24.00</b>		<b>Total</b>	<b>23.25</b>
				<b>Total</b>	<b>180.00</b>