**Orari i studimeve: Programi Kimi, Bsc**

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|  | **Viti I** |
| **Semestri I** |  **Orë/javë** |  |
| **Nr.** | **O/Z** | **Lëndët** | **L** | **UL /UN**  | **ECTS** | **Mesimdhenesi** |
| 1 | O | Matematikë | 2 | 3 | 6 | Prof. Asoc. Dr. Kajtaz Bllaca |
| 2 | O | Fizikë I | 2 | 2 | 5 | Prof. Dr. Shukri Klinaku |
| 3 | O | Kimi e përgjithshme | 4 | 4 | 9 | Prof. Dr. Musaj Paçarizi |
| 4 | O | Informatika në kimi | 2 | 2 | 5 | Prof.As.Dr. Liridon Berisha |
| 5 | O | Stekiometri | 2 | 2 | 5 | Prof. As. Dr. Albert Maxhuni |
|  Totali | 12 | 13 | 30 |  |
|  | **Semester II** |
| 1 | O | Matematikë me statistikë | 3 | 3 | 7 | Prof. As. Dr. Elver Bajrami |
| 2 | O | Fizikë II | 2 | 2 | 5 | Prof. Dr. Shukri Klinaku |
| 3 | O | Kimi inorganike | 3 | 3 | 7 | Prof. Dr. Avni Berisha |
| 4 | O | Kimi analitike I | 3 | 4 | 8 | Prof. Dr. Naser Troni |
| 5 | Z | Gjuhë angleze  | 2 | 1 | 3 | Msc. Festina Shabani  |
| 6 | Z | Biologji | 2 | 1 | 3 | Prof.As. Dr. Lulzim Millaku |
|  Totali | 13 | 13 | 30 |  |
| **Kujdes**: Studentët duhet të zgjedhin njërën nga lëndët zgjedhore |
|  | **Year II** |
| **Semestri III** |  **Orë/javë** |  |
| **No.** | **O/Z** | **Lëndët** | **L** | **UL/UN**  | **ECTS** | **Mesimdhenesi** |
| 1 | O | Kimi fizike I | 3 | 3 | 8 | Prof. Dr. Bashkim Thaçi |
| 2 | O | Kimi organike I | 3 | 3 | 8 | Prof. Dr. Majlinda Daci |
| 3 | O | Struktura e atomeve dhe molekulave | 2 | 2 | 5 | Prof. Dr. Bashkim Thaçi |
| 4 | O | Histori e kimisë  | 2 | 1 | 4 | Prof. As. Dr. Flamur Sopaj |
| 5 | Z | Analiza kimike e ujit | 2 | 2 | 5 | Prof. Dr. Bardha Korça |
| 6 | Z | Gjuhë angleze profesionale | 2 | 2 | 5 | Msc. Festina Shabani  |
|  Totali | 12 | 11 | 30 |  |
| **Kujdes**: Studentët duhet të zgjedhin njërën nga lëndët zgjedhore |
|  | **Semestri IV** |
| 1 | O | Kimi organike II | 3 | 3 | 7 | Prof. Dr. Majlinda Daci |
| 2 | O | Kimi fizike II | 3 | 3 | 7 | Prof. As. Dr. Makfire Sadiku |
| 3 | O | Kimi analitike II | 3 | 4 | 8 | Prof. Dr. Fatmir Faiku |
| 4 | O | Kimia e mjedisit | 2 | 2 | 5 | Prof. Dr. Bashkim Thaçi |
| 5 | Z | Burimet alternative të energjisë | 2 | 1 | 3 | Prof. Dr. Fetah Podvorica |
| 6 | Z | Kimia e polimerëve | 2 | 1 | 3 | Prof. Dr. Arben Haziri |
| Totali | 13 | 13 | 30 |  |
| **Kujdes**: Studentët duhet të zgjedhin njërën nga lëndët zgjedhore |
|  | **Viti III** |
| **Semestri V** |  **Orët/ javë** |  |
| **Nr.** | **O/Z** | **Lëndët** | **L** | **UL/UN**  | **ECTS** | **Mesimdhenesi** |
| 1 | O | Kimi organike III | 2 | 4 | 7 | Prof. Dr. Ramiz Hoti |
| 2 | O | Kimi analitike III | 3 | 4 | 8 | Prof. Dr. Tahir Arbneshi |
| 3 | O | Kursi i lartë i kimisë së përgjithshme dhe inorganike | 3 | 3 | 7 | Prof. Dr. Ismet Hashani |
| 4 | O | Biokimi I | 2 | 2 | 5 | Prof. Asoc. Dr. Hamit Ismaili |
| 5 | Z | Kimia ushqimore | 2 | 1 | 3 | Prof. Asoc. Arleta Rifati |
| 6. | Z | Mineralogjia | 2 | 1 | 3 | Prof. Dr. Musaj Paçarizi |
|  Total | 12 | 14 | 30 |  |
| **Kujdes**: Studentët duhet të zgjedhin njërën nga lëndët zgjedhore |
|  | **Semester VI** |
| 1 | O | Kimia organike IV | 2 | 3 | 6 | Prof. Dr. Sevdije Govori |
| 2 | O | Teknologji kimike | 2(1\*)  | 2 | 6 | Prof. Asoc. Dr. Ilir Shehu |
| 3 | O | Biokimi II | 2 | 4 | 7 | Prof. Asoc. Dr. Hamit Ismail |
| 4 | O | Bazat e spektroskopisë | 2 | 2 | 5 | Prof. Asoc. Arleta Rifati |
| 5 | O | Punim i diplomës | 0 | 5 | 6 |  |
| Totali | 9 | 16 | 30 |  |
| **L**- ligjerat**UL/UN**-ushtrime laboratorike /ushtrime numerike\* 15 Orë praktike profesionale |

Shtojca III: Krahasueshmeria e programeve

**Programi Bsc. Kimi i Zagrebit -** Krahasueshmeria përmbajtësore është rreth 75 %

<https://www.pmf.unizg.hr/chem/teaching/undergraduate_studies_in_chemistry>

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| **1. semester, 1. year** |
| ECTS | Mandatory courses | English level | Semester workload | Sem | INFO |
| 2.0 | [Computer laboratory course 1 (38181)](https://www.pmf.unizg.hr/chem/en/course/racpra1)Bertoša, B. | - | 30( ) | 1 | INFO |
| 6.0 | [General chemistry (72905)](https://www.pmf.unizg.hr/chem/en/course/opckem)Vrdoljak, V. | - | 75(45P+30S ) | 1 | INFO |
| 4.0 | [General chemistry laboratory 1 (72870)](https://www.pmf.unizg.hr/chem/en/course/pok1_b)Đaković, M. | - | 60(60L ) | 1 | INFO |
| 8.0 | [Mathematics 1 (38176)](https://www.pmf.unizg.hr/chem/en/course/mat1)Bruckler, F. | - | 105(60P ) | 1 | INFO |
| 0.0 | [Physical Education and Health Culture 1 (38079)](https://www.pmf.unizg.hr/en/course/tzk1)Fučkar Reichel, K.; Vulić, J. | - | 30( ) | 1 | INFO |
| 8.0 | [Physics 1 (38808)](https://www.pmf.unizg.hr/phy/en/course/fiz1)Žugec, P. | - | 90(60P ) | 1 | INFO |
| **2. semester, 1. year** |
| ECTS | Mandatory courses | English level | Semester workload | Sem | INFO |
| 2.0 | [Computer laboratory course 2 (38190)](https://www.pmf.unizg.hr/chem/en/course/racpra2)Bertoša, B. | - | 30( ) | 2 | INFO |
| 6.0 | [General chemistry (72907)](https://www.pmf.unizg.hr/chem/en/course/opckem_a)Vrdoljak, V. | - | 75(45P+30S ) | 2 | INFO |
| 4.0 | [General chemistry laboratory 2 (72872)](https://www.pmf.unizg.hr/chem/en/course/pok2_b)Đaković, M. | - | 60(60L ) | 2 | INFO |
| 8.0 | [Mathematics 2 (38183)](https://www.pmf.unizg.hr/chem/en/course/mat2)Bruckler, F. | - | 105(60P ) | 2 | INFO |
| 0.0 | [Physical Education and Health Culture 2 (38080)](https://www.pmf.unizg.hr/en/course/tzk2)Fučkar Reichel, K.; Vulić, J. | - | 30( ) | 2 | INFO |
| 8.0 | [Physics 2 (38184)](https://www.pmf.unizg.hr/phy/en/course/fiz2_a)Žugec, P. | - | 90(60P ) | 2 | INFO |
| 4.0 | [Physics laboratory (72871)](https://www.pmf.unizg.hr/chem/en/course/prafiz_a)Pajić, D. | - | 60(60L ) | 2 | INFO |
| **3. semester, 2. year** |
| ECTS | Mandatory courses | English level | Semester workload | Sem | INFO |
| 5.0 | [Analytical chemistry 1 (72873)](https://www.pmf.unizg.hr/chem/en/course/anakem1_a)Miljanić, S. | - | 75(45P+30S ) | 3 | INFO |
| 3.0 | [Analytical chemistry laboratory 1 (41018)](https://www.pmf.unizg.hr/chem/en/course/pak1_a)Poje, N. | - | 60(60L ) | 3 | INFO |
| 2.0 | [Biology (72845)](https://www.pmf.unizg.hr/biol/en/course/bio_i)Besendorfer, V.; Pavoković, D. | - | 45(30P+15S ) | 3 | INFO |
| 5.0 | [Mathematical methods in chemistry 1 (41008)](https://www.pmf.unizg.hr/chem/en/course/mmuk1)Horvat, G. | - | 45(30P+15S ) | 3 | INFO |
| 6.0 | [Organic chemistry (72916)](https://www.pmf.unizg.hr/chem/en/course/orgkem_b)Primožič, I.; Tomić-Pisarović, S.; Petrović Peroković, V. | - | 75(60P+15S ) | 3 | INFO |
| 8.0 | [Physical chemistry 1 (41009)](https://www.pmf.unizg.hr/chem/en/course/fizkem1_a)Hrenar, T. | - | 105(60P+45S ) | 3 | INFO |
| 0.0 | [Physical Education and Health Culture 3 (40849)](https://www.pmf.unizg.hr/en/course/tzk3)Fučkar Reichel, K.; Vulić, J. | - | 30( ) | 3 | INFO |
| **4. semester, 2. year** |
| ECTS | Mandatory courses | English level | Semester workload | Sem | INFO |
| 5.0 | [Analytical chemistry 2 (41010)](https://www.pmf.unizg.hr/chem/en/course/anakem2)Novak, P. | - | 75(45P+30S ) | 4 | INFO |
| 3.0 | [Analytical chemistry laboratory 2 (72874)](https://www.pmf.unizg.hr/chem/en/course/pak2_b)Poje, N. | - | 60(60L ) | 4 | INFO |
| 5.0 | [Mathematical methods in chemistry 2 (41013)](https://www.pmf.unizg.hr/chem/en/course/mmuk2)Bertoša, B. | - | 45(30P+15S ) | 4 | INFO |
| 6.0 | [Organic chemistry (72918)](https://www.pmf.unizg.hr/chem/en/course/orgkem_c)Primožič, I.; Tomić-Pisarović, S.; Petrović Peroković, V. | - | 75(60P+15S ) | 4 | INFO |
| 4.0 | [Organic chemistry laboratory 1 (41058)](https://www.pmf.unizg.hr/chem/en/course/pok1)Kodrin, I. | - | 60(60L ) | 4 | INFO |
| 8.0 | [Physical chemistry 2 (41014)](https://www.pmf.unizg.hr/chem/en/course/fizkem2)Tomišić, V. | - | 105(60P+45S ) | 4 | INFO |
| 0.0 | [Physical Education and Health Culture 4 (40850)](https://www.pmf.unizg.hr/en/course/tzk4)Fučkar Reichel, K.; Vulić, J. | - | 30( ) | 4 | INFO |
| **5. semester, 3. year** |
| ECTS | Mandatory courses | English level | Semester workload | Sem | INFO |
| 7.0 | [General Biochemistry (72921)](https://www.pmf.unizg.hr/chem/en/course/opcbio)Gruić Sovulj, I.; Močibob, M. | - | 90(60P+30S ) | 5 | INFO |
| 6.0 | [Inorganic chemistry 1 (72875)](https://www.pmf.unizg.hr/chem/en/course/anokem1_a)Cindrić, M.; Stilinović, V. | - | 75(45P+30S ) | 5 | INFO |
| 3.0 | [Inorganic chemistry laboratory 1 (72876)](https://www.pmf.unizg.hr/chem/en/course/pak1_c)Vrdoljak, V. | - | 60(60L ) | 5 | INFO |
| 3.0 | [Molecular modelling (41061)](https://www.pmf.unizg.hr/chem/en/course/molmod)Kodrin, I.; Mihalić, Z. | - | 45(30P ) | 5 | INFO |
| 4.0 | [Organic chemistry laboratory 2 (41063)](https://www.pmf.unizg.hr/chem/en/course/pok2)Primožič, I.; Škalamera, Đ. | - | 60(60L ) | 5 | INFO |
| 4.0 | [Physical chemistry laboratory 1 (41057)](https://www.pmf.unizg.hr/chem/en/course/pfk1)Bregović, N.; Kovačević, D. | - | 60(60L ) | 5 | INFO |
| ECTS | Elective courses=> PDK-izborni predmeti treće godine | English level | Semester workload | Sem | INFO |
| 3.0 | [Environmental chemistry (41023)](https://www.pmf.unizg.hr/chem/en/course/kemoko_a)Preočanin, T. | - | 45(30P+15S ) | 5 | INFO |
| 3.0 | [History and philosophy of chemistry (72926)](https://www.pmf.unizg.hr/chem/en/course/pfk_c)Stilinović, V.; Vančik, H. | - | 30(30P ) | 5 | INFO |
| 3.0 | [Mineralogy (72846)](https://www.pmf.unizg.hr/chem/en/course/min_a)Tibljaš, D. | - | 45(30P+15S ) | 5 | INFO |
| 3.0 | [Selected topics in chemistry (41024)](https://www.pmf.unizg.hr/chem/en/course/opk)Primožič, I.; Tomić-Pisarović, S.; Rončević, S. | - | 45(30P+15S ) | 5 | INFO |
| **6. semester, 3. year** |
| ECTS | Mandatory courses | English level | Semester workload | Sem | INFO |
| 4.0 | [Biochemistry laboratory (72878)](https://www.pmf.unizg.hr/chem/en/course/prabio_c)Močibob, M. | - | 60(60L ) | 6 | INFO |
| 5.0 | [Final exam (43604)](https://www.pmf.unizg.hr/chem/en/course/zavisp) | - | 0( ) | 6 | INFO |
| 7.0 | [General Biochemistry (72922)](https://www.pmf.unizg.hr/chem/en/course/opcbio_a)Gruić Sovulj, I.; Močibob, M. | - | 90(60P+30S ) | 6 | INFO |
| 6.0 | [Inorganic chemistry 2 (72877)](https://www.pmf.unizg.hr/chem/en/course/anokem2_a)Cindrić, M.; Stilinović, V. | - | 75(45P+30S ) | 6 | INFO |
| 4.0 | [Inorganic chemistry laboratory 2 (41056)](https://www.pmf.unizg.hr/chem/en/course/pak2)Vrdoljak, V. | - | 60(60L ) | 6 | INFO |
| 4.0 | [Physical chemistry laboratory 2 (41062)](https://www.pmf.unizg.hr/chem/en/course/pfk2)Bregović, N.; Preočanin, T. | - | 60(60L ) | 6 | INFO |