## DOUBLE MAJOR PROGRAMS BETWEEN MATHEMATICS AND PHILOSOPHY DEPARTMENTS — NEW

| MATH PROGRAM | | | MATH-PHIL PROGRAM | | | PHIL-MATH PROGRAM | | | PHIL PROGRAM | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| First Semester | Cr. | ECTS | First Semester | Cr. | ECTS | First Semester | Cr. | ECTS | First Semester | Cr. | ECTS |
| MATH 131 (Ects) | 4 | 8 | MATH 131 (Ects) | 4 | 8 | PHIL 101 (Ects) | 3 | 8 | PHIL 101 (Ects) | 3 | 8 |
| MATH 111 | 4 | 8 | MATH 111 | 4 | 8 | PHIL 131 (Cr, Ects) | 4 | 8 | PHIL 131 (Cr, Ects) | 4 | 8 |
| PHYS 101## | 4 | 8 | PHYS 101## | 4 | 8 | PHIL 105 (Cr, Ects, Sem-2) | 4 | 8 | PHIL 105 (Cr, Ects, Sem-2) | 4 | 8 |
| Unrestricted Elect.(Ects) | 3 | 5 | Unrestricted Elect.(Ects) | 3 | 5 | SS elective** (Ects) | 3 | 4 | SS elective** (Ects) | 3 | 4 |
| AE 111/HSS/MLE # (Ext) | 3 | 3 | AE 111/HSS/MLE # (Ext) | 3 | 3 | AE 261/LL*** (Ects) | 3 | 4/6 | AE 261/LL*** (Ects) | 3 | 4/6 |
| Total: | 18 | 32 | Total: | 18 | 32 | Total: | 17 | 32/34 | Total: | 17 | 32/34 |
| Second semester | | | Second semester | | | Second semester | | | Second semester | | |
| MATH 132 | 4 | 8 | MATH 132 | 4 | 8 | PHIL 106 (Ects) | 3 | 8 | PHIL 106 (Ects) | 3 | 8 |
| MATH 162 (Ects) | 4 | 8 | MATH 162 (Ects) | 4 | 8 | PHIL 132 (Cr, Ects) | 4 | 8 | PHIL 132 (Cr, Ects) | 4 | 8 |
| PHYS 102## | 4 | 8 | PHYS 102## | 4 | 8 | MATH elective (Cr, Sem-1) | 4 | 6 | MATH elective (Cr,Sem-1) | 4 | 6 |
| Unrestricted Elect.(Sem-3) | 3 | 5 | Unrestricted Elect.(Add) | 3 | 5 | SS elective** (Ects) | 3 | 4 | SS elective** (Ects) | 3 | 4 |
| AE 112/HSS/MLE # (Ext) | 3 | 4 | AE 112/HSS/MLE # (Ext) | 3 | 4 | AE 262/LL*** (Ects) | 3 | 4/6 | AE 262/LL*** (Ects) | 3 | 4/6 |
| Total: | 18 | 33 | Total: | 18 | 33 | Total: | 17 | 30/32 | Total: | 17 | 30/32 |
| Third semester | | | Third semester | | | Third semester | | | Third semester | | |
| MATH 221 (Add) | 4 | 8 | MATH 221 (Add) | 4 | 8 | MATH 101 | 4 | 6 | PHIL 213 | 3 | 6 |
| MATH 231 (Ects) | 4 | 8 | MATH 231 (Ects) | 4 | 8 | MATH 111******(Add) | 4 | 8 | PHIL 273 | 3 | 6 |
| PHYS 201## | 4 | 6 | PHIL 105 (Cr, Ects, Sem-5) | 4 | 8 | MATH 201 | 4 | 5 | Science Elective**** | 3 | 6 |
| CMPE 150 (Sem-2) | 3 | 5 | PHIL 101 (Ects) | 3 | 8 | PHIL 213 | 3 | 6 | Unrestricted elective | 3 | 6 |
| TK 221 | 2 | 3 | PHIL 131 (Cr, Ects) | 4 | 8 | PHIL 273 | 3 | 6 | Unrestricted elective | 3 | 5 |
| | | | TK 221 | 2 | 3 | PHYS 101 (Add) | 4 | 8 | TK 221 | 2 | 3 |
| | | | CMPE 150 (Sem-2) | 3 | 5 | TK 221 | 2 | 3 | | | |
| Total: | 17 | 30 | Total: | 24 | 48 | Total: | 24 | 42 | Total: | 17 | 32 |
| Fourth Semester | | | Fourth Semester | | | Fourth Semester | | | Fourth Semester | | |
| MATH 202 | 4 | 7 | MATH 202 | 4 | 7 | MATH 102 | 4 | 6 | PHIL 214 | 3 | 6 |
| MATH 222 (Sem-5,Code-321) | 4 | 8 | MATH 222 (Sem-5,Code-321) | 4 | 8 | MATH 202 | 4 | 7 | PHIL 222 | 3 | 6 |
| MATH 234 (Add) | 4 | 8 | MATH 234 (Add) | 4 | 8 | MATH 222 (Sem-5,Code-321) | 4 | 8 | Science Elective**** | 3 | 6 |
| HSS/MLE (Ext) | 3 | 5 | PHIL 106 (Ects) | 3 | 8 | PHIL 214 | 3 | 6 | Unrestricted elective | 3 | 6 |
| TK 222 | 2 | 3 | PHIL 132 (Cr, Ects) | 4 | 8 | PHIL 222 | 3 | 6 | Unrestricted elective | 3 | 5 |
| | | | TK 222 | 2 | 3 | PHYS 102/201 (Add) | 4 | 8/6 | TK 222 | 2 | 3 |
| | | | PHYS 201## (Sem-3) | 4 | 6 | TK 222 | 2 | 3 | | | |
| Total: | 17 | 31 | Total: | 25 | 48 | Total: | 24 | 44/42 | Total: | 17 | 32 |
| Fifth Semester | | | Fifth Semester | | | Fifth Semester | | | Fifth Semester | | |
| MATH 323 (Sem-6,Code-322) | 4 | 8 | MATH 323 (Sem-6,Code-322) | 4 | 8 | HTR 311 | 2 | 3 | PHIL 313 | 3 | 6 |
| MATH 331 | 4 | 8 | HTR 311 | 2 | 3 | MATH 231 (Add) | 4 | 8 | PHIL 341 | 3 | 6 |
| Unrestricted Elect. (Add) | 3 | 5 | MATH 331 | 4 | 8 | MATH 323 (Sem-6,Code-322) | 4 | 8 | PHIL -- | 3 | 6 |
| HSS | 3 | 5 | PHIL 213 | 3 | 6 | PHIL 313 | 3 | 6 | Unrestricted elective | 3 | 5 |
| HTR 311 | 2 | 3 | PHIL 273 | 3 | 6 | PHIL 341 | 3 | 6 | Unrestricted elective | 3 | 5 |
| | | | PHIL 341 (Sem-7) | 3 | 6 | PHIL Elect. | 3 | 6 | HTR 311 | 2 | 3 |
| Total: | 16 | 29 | Total: | 19 | 37 | Total: | 19 | 37 | Total: | 17 | 31 |
| Sixth Semester | | | Sixth Semester | | | Sixth Semester | | | Sixth Semester | | |
| MATH 338 (Sem-7,Code-431) | 4 | 8 | MATH 338 (Sem-7,Code-431) | 4 | 8 | PHIL 314 | 3 | 6 | PHIL 314 | 3 | 6 |
| Math Elect. (Add) | 3 | 6 | HTR 312 | 2 | 3 | PHIL 382 | 3 | 7 | PHIL 382 | 3 | 7 |
| Math Elect. (Add) | 3 | 6 | PHIL 214 | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Science Elect. (Sem-4) | 3 | 5 | PHIL 222 (Sem-7) | 3 | 6 | MATH 234 (Add) | 4 | 8 | Unrestricted elective | 3 | 5 |
| HSS | 3 | 5 | PHIL 382 | 3 | 7 | MATH 338 (Sem-7, Code-431) | 4 | 8 | Unrestricted elective | 3 | 5 |
| HTR 312 | 2 | 3 | PHIL Elect. ### | 3 | 6 | HTR 312 | 2 | 3 | HTR 312 | 2 | 3 |
| Total: | 18 | 33 | Total: | 18 | 36 | Total: | 19 | 38 | Total: | 17 | 32 |
| Seventh Semester | | | Seventh Semester | | | Seventh Semester | | | Seventh Semester | | |
| Math Elect. | 3 | 6 | Math Elect. | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Math Elect. (Cr) | 3 | 6 | Math Elect. (Cr) | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Unrestricted Elect. (Add) | 3 | 5 | PHIL 313 | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Unrestricted Elect. | 3 | 5 | PHIL Elect. ###(Add) | 3 | 6 | MATH 331 | 4 | 8 | Unrestricted elective | 3 | 6 |
| Science Elect. | 3 | 5 | PHIL Elect. ###(Add) | 3 | 6 | Math Elect. | 3 | 6 | Unrestricted elective | 3 | 6 |
| | | | Unrestricted Elect. (Add) | 3 | 5 | Math Elect. (Add) | 3 | 6 | | | |
| Total: | 15 | 27 | Total: | 18 | 35 | Total: | 19 | 38 | Total: | 15 | 30 |
| Eighth Semester | | | Eighth Semester | | | Eighth Semester | | | Eighth Semester | | |
| Math Elect. | 3 | 6 | Math Elect. | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Math Elect. | 3 | 6 | Math Elect. | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Math Elect. | 3 | 6 | Math Elect. | 3 | 6 | PHIL Elect. | 3 | 6 | PHIL -- | 3 | 6 |
| Unrestricted Elect. | 3 | 5 | PHIL 314 | 3 | 6 | Math Elect. | 3 | 6 | Unrestricted elective | 3 | 6 |
| HSS | 3 | 5 | PHIL Elect. ### (Add) | 3 | 6 | Math Elect. (Add) | 3 | 6 | Unrestricted elective | 3 | 6 |
| | | | PHIL Elect. ### | 3 | 6 | Math Elect. (Add) | 3 | 6 | | | |
| | 15 | 28 | | 18 | 36 | | 18 | 36 | | 15 | 30 |
| | 134 | 243 | | 158 | 305 | | 153/157 | 295/301 | | 132 | 249/253 |
| OVERLOAD | | | | 24 | | | 21/25 | | | | |

Add: Added to the program
Cr: Credits is updated
Ects: Ects is updated
Del: Deleted from the program
Ext: MLE courses added to this selection
Sem-#: Moved to/from the semester #
Code-###: The code is changed to/from MATH###

Indicates the changes in Math courses.
Indicates the changes in Phil courses
Indicates the changes in courses other than Math and Phil courses
Indicates the credits that can be eliminated due to the conditions explained below.

** SS Electives can be chosen from among the courses offered by the folowing departments: Psychology, Sociology, Political Science and International Relations, and Economics.
*** LL Electives can be chosen from among the AL, CL, DRA, EL and LIT codes courses offered by the department of Western Languages and Literatures.
**** Science Electives must be chosen from among the courses offered by the following departments: Chemistry, Molecular Biology and Genetics, Physics, and Institute of Enviromental Sci.
***** The level of three MATH Elective course that PHIL-MATH students take must be 3XX or 4XX.
****** Students who take MATH 111 in their 2nd semester as Math Elective are exempt from this course.

\# Students who pass the preparatory year with an English proficiency level of C are required to take AE 111 and AE 112. Students whose Proficiency Exam scores are B and above are required to take HSS or MLE (Modern Language Elective). MLE courses should be selected from among any of the language courses of the same sequence (being offered by the Boğaziçi University).
\## Physics courses are one of the three series: Phys 101- Phys 130-Phys 201 or Phys 101- Phys 102- Phys 201- Phys 202 or Phys 121- Phys 201- Phys 202.
\### Level of the three PHIL Elective courses to be taken by MATH-PHIL students must be 3XX or 4XX.