

ATATURK ALATOO UNIVERSITY
APPLIED MATHEMATICS And INFORMATICS DEPARTMENT
A Five-Year Undergraduate Program

01.09.2009

MAT-2

Fall Term

#	Subject	Credit
1	Algorithms and Programming I	2
2	Calculus I	8
3	English	4
4	Linear Algebra I	4
5	Modern Nat. Sci Concept II	2
6	Physical Culture	2
7	Physics I	3
8	Turkish/Russian/Kyrgyz	2
TOTAL		27

Spring Term

#	Subject	Credit
1	Algorithms and Programming II	2
2	Calculus II	8
3	English	4
4	Linear Algebra II	4
5	Physical Culture	2
6	Phylosophy	4
9	Physics II	3
7	Psychology and Pedagogicue	4
8	Turkish/Russian/Kyrgyz	2
TOTAL		33

MAT-3

Fall Term

#	Subject	Credit
1	Applied Math. Software(Maple)	4
2	Differential Equations I	3
3	Economics	2
4	Number Theory I	3
5	Numerical Analysis I	3
6	Probability and Statistics I	3
7	Programming Lab	4
8	Turkish	2
9	Information Security	4
TOTAL		28

Spring Term

#	Subject	Credit
1	Applied Math. Software(Matlab)	4
2	Differential Equations II	3
3	Number Theory II	3
4	Numerical Analysis II	3
5	Probability and Statistics II	3
6	Programming Lab	4
7	System Programming	4
8	Turkish	2
9	Analytic Geometry	2
TOTAL		28

MAT-4

Fall Term

#	Subject	Credit
1	Data Base and Expert Systems	4
2	Discrete Structure	4
3	Equations of Math. Physz.	3
4	Modeling and Simulation I	3
5	Object Oriented Programming I	3
6	Programming Lab	4
7	Variational Calculus I	3
8	Vector and Tensor Analysis	3
TOTAL		27

Spring Term

#	Subject	Credit
1	Artificial Intel. and Neural Networks	4
2	Equations of Math. Physz.	3
3	Game Theory and Operation Research	2
4	Modeling and Simulation II	3
5	Object Oriented Programming II	3
6	Optimizations Theory	4
7	Programming Lang.and Methods of Translations	4
8	Variational Calculus II	3
TOTAL		26

MAT-5

Fall Term

#	Subject	Credit
1	Complex Analysis	4
2	Computation Theory	4
3	Integral Equations	4
4	Manas Taanu	2
5	Topology	4
TOTAL		18

Spring Term

#	Subject	Credit
1	Comp. Networks and Telecomm.	4
2	Diploma Project	16
3	Teaching Of High School Mathematics	2
TOTAL		22