

Smt	Code	Courses	Credits
1	SM2301	Advanced Linear Algebra	3
1	SM2303	Functional Analysis	3
1	SM2305	Mathematical Modeling	3
1	SM2307	Computing Mathematics	3
2	SM2302	Numerical Analysis	3
2	SM2402	Computational Fluid Dynamics**	3
2	SM2404	Dynamics Optimization**	3
2	SM2406	Dynamic System**	3
2	SM2408	System and Control**	3
2	SM2410	Graph Theory**	3
2	SM2412	Stochastic Calculus**	3
2	SM2414	Fuzzy System**	3
2	SM2416	Bioinformatics**	3
3	SM2401	Topic of Applied Analysis**	3
3	SM2403	Min MaxPlus Algebra**	3
3	SM2405	Image Analysis and Processing**	3
3	SM2407	Financial Mathematics**	3
3	SM2409	Topic of Computation**	3
3	SM2411	Topic of Modeling and Optimization **	3
3	SM2413	Data Assimilation**	3
3	SM2415	Artificial Neural Network**	3
4	SM2501	Thesis	6

\* Select one of those with stars

\*\* Elective courses