

**ELECTIVE COURSES FOR FUTURE YEAR III CTI, 2019-2020**

**Semester 5**

No.	Elective courses	Holder	Number of allocated places	Number of semigroups
1.	Digital microsystem design	Prof.dr.ing. Marius Marcu	50	3
2.	Software system design	Conf.dr.ing. Cristina Marinescu	34	2
3.	Mechanical Engineering and Robotics	Prof.dr.ing. Liviu Marsavina	34	2
4.	Fundamental concepts of programming languages	Conf.dr.ing. Ciprian Chirila	50	3
5.	Large scale integrated circuits	Conf.dr.ing. Alexandru Amaricai-Boncalo	51	3
6.	Computer engineering	Prof.dr.ing. Mihai Udrescu	50	3
7.	Web application design	Sl.dr.ing. Razvan Cioarga	34	2
8.	Computer security	Prof.dr.ing. Bogdan Groza	33	2

**Semester 6**

No.	Elective courses	Holder	Number of allocated places	Number of semigroups
1.	Digital signal processing	Prof.dr.ing. Mihai Micea	33	2
2.	Compilation techniques	Sl.dr.ing. Codruta Istin	33	2
3.	Introduction to IoT and Cloud Architectures	Sl.dr.ing. Razvan Bogdan	34	2
4.	Database design	Conf.dr.ing. Dan Pescaru	33	2
5.	Computer graphics	Sl.dr.ing. Sorin Babii	34	2
6.	Data mining	Sl.dr.ing. Cosmin Cernazanu	34	2
7.	Embedded systems	Sl.dr.ing. Razvan Bogdan	33	2
8.	Complexity and computability	Prof.dr.ing. Marius Crisan	34	2
9.	Design and architecture of complex software systems	Conf.dr.ing. Ioana Sora	33	2
10.	Distributed Programming	Sl.dr.ing. Dan Cosma	33	2