

Embedded Computing Systems NTNU Curriculum 2018/19

Elective Program 1st year						
	Code	Title	Credit points	Semester	Instructor	Language
(all)	TDT4255	Computer Design	7.5	Fall	Jahre	English
(all)	TTM4105	Access and Transport Networks	7.5	Fall	Stol	English
Communication and Signal Processing, Micro-electronics/ Microsystems	TTT4120	Digital Signal Processing	7.5	Fall	Werner	English
Micro-electronics/ Microsystems	TFE4186	Analog CMOS 1	7.5	Fall	Ytterdal	English
Embedded Systems, Automation & Control	TDT4258	Low-Level Programming	7.5	Fall	Själänder	English
Embedded Systems	TFE4171	Design of Digital Systems 2	7.5	Spring	Svarstad	English
Embedded Systems, Automation & Control	TDT4205	Compiler Construction	7.5	Spring	Meyer	English
Embedded Systems, Automation & Control	TDT4173	Machine Learning and Case-Based Reasoning	7.5	Spring	Bach	English
Embedded Systems, Automation & Control	TTK4195	Modeling and Control of Robots	7.5	Spring	Shiriaev	English
Communication and Signal Processing	TTT4275	Estimation, Detection and Classification	7.5	Spring	Johnsen	English
Communication and Signal Processing	TTT4135	Multimedia Signal processing	7.5	Spring	Perkis	English

1st year students need to choose at least 2 courses (15 ECTS) from these electives

Elective Program 2nd year						
	Code	Title	Credit points	Semester	Instructor	Language
Embedded Systems	TFE4141	Design of Digital Systems 1	7.5	Fall	Gjermundsnes	English
	TDT4258	Low-Level Programming	7.5	Fall	Själänder	English
	TFE4595	Electronic Systems Design - Specialization Course ⁺¹	7.5	Fall	Olavsbråten	English
	TFE4590	Electronic Systems Design - Specialization Project ⁺²	7.5	Fall	Olavsbråten	English
	TDT4501	Computer Science, Specialization Project ⁺²	15	Fall	Krogstie	English
	TDT4506	Computer Science, Specialization Course ⁺¹	7,5	Fall	Krogstie	English
Communication and Signal Processing	TTT4130	Digital Communication	7.5	Fall	Kansanen	English
	TFE4595	Electronic Systems Design - Specialization Course ⁺¹	7.5	Fall	Olavsbråten	English
	TFE4590	Electronic Systems Design - Specialization Project ⁺²	7.5	Fall	Olavsbråten	English
Automation & Control	TTK4147	Real-Time Systems	7.5	Fall	Mathisen	English
	TTK4155	Embedded systems	7.5	Fall	Alfredsen	English
	TTK4555	Engineering Cybernetics - Specialization Course ⁺¹	7.5	Fall	Aamo	English
	TTK4551	Engineering Cybernetics - Specialization Project ⁺²	7.5	Fall	Aamo	English

Micro-electronics/ Microsystems	TFE4187	Analog CMOS 1	7.5	Fall	Ytterdal	English
	TFE4595	Electronic Systems Design - Specialization Course ⁺¹	7.5	Fall	Olavsbråten	English
	TFE4590	Electronic Systems Design - Specialization Project ⁺²	7.5	Fall	Olavsbråten	English

2nd year students need to choose at least 4 courses (30 ECTS) from these electives for the fall semester, of which one should be a term project⁺², and one a specialisation course⁺¹.

