

Curriculum Opto-Mechatronics 2019-2020

First year (60 EC) *

ME Obligatory core courses (11 EC)

Physics for Mechanical Engineers (4 EC)

Measurement Technology (3 EC)

Nonlinear Mechanics (4 EC)

ME Recommended courses (≥ 5 EC obligatory)

Advanced Fluid Dynamics (5 EC)

Advanced Heat Transfer (3 EC)

Control System Design (3 EC)

Drive & Energy Systems (3EC)

Intelligent Vehicles (4 EC)

ME Recommended social courses (3-6 EC obligatory)

Philosophy of Engineering (3 EC)**

ME-OM Core courses I (3 EC)

Intro lab PME (2 EC)

Student colloquia and events PME (1 EC)

ME-OM Core courses II (19-27 EC) choose 5 out of 7

Engineering Dynamics (4 EC)

Optics (4 EC)

Mechatronic System Design (4 EC)

Precision Mechanism Design (4 EC)

Fundamentals of Mechanical Analysis (4 EC)

Micro- & Nanosystems Design & Fabrication, including MEMS Lab (4 EC)

Engineering Optimization: Concept & Applications (3 EC)

ME-OM Recommended electives (8 EC)

Opto-Mechatronics (4 EC)

Technical & Micro Optical Systems (4 EC)

Other electives (3-11 EC)

Second year (60 EC)

Internship/ First Project (15 EC)

Literature survey (10 EC)

Master thesis project (35 EC)

*tentative, minor changes possible, ** or other, see ME Obligatory, studiegids.tudelft.nl