

Curriculum (pre)master Applied Physics, for Side-entry students hbo TN and EE for generation 2020

Premaster		
Course code	Name	EC
202001172	Calculus A for pre masters	4
202001178	Linear Algebra	3
202001435	Models	4,5
202000701	Introduction Solid State Physics	7
202001174	Calculus B for pre masters	3
191403070	Electricity and Magnetism for PM	5
202001485	Optica Theory for PM	4,5
Total premaster		31

First and second year (M1 en M2)		
Course code	Name	EC
Homologation physics courses (31 EC)		
202000703	Partial Differential Equations	2
202000702	Statistical Physics	6
202000706	Electrodynamics	6
202000707	Numerical Methods for PDE	2
202000705	Fluid Physics	7
202000699	Hilbert Space	2
202000698	Quantum Mechanics	6
Compulsory master courses (20 EC)		
191411291	Applied Quantum Mechanics	5
201900080	Mathematical and Numerical Physics	5
191470241	Heat and Mass Transfer	5
201900282	Small Signals and Detection	4
201900281	Ethics and Cultural Awareness	1
Specialization courses (20 EC)¹		
Elective courses physics/technical (10 EC)		
Master's Assignment (40 EC)		
201800344	Master's Assignment Physical Aspects	20
201800345	Master's Assignment General Aspects	20
Total master		121

¹ See The chair courses Applied Physics in the [Curriculum Applied Physics](#).