

Curriculum (pre)master Applied Physics, for side-entry students hbo TN and EE for generation 2021

Premaster		
Course code	Name	EC
202001172	Calculus A for pre masters	4
202001178	Linear Algebra	3
202001435	Models	4.5
202000660	Introduction Solid State Physics	5
202001174	Calculus B for pre masters	3
202000698	Quantum Mechanics	6
202001485	Optics Theory for PM	4.5
Total premaster		30

First and second year (M1 en M2)		
Course code	Name	EC
Homologation physics courses (30 EC)		
202000699	Hilbert Space	2
202000682	Elektriciteit en Magnetisme	5
202000703	Partial Differential Equations	2
202000702	Statistical Physics	6
202000706	Electrodynamics	6
202000705	Fluid Physics	7
202000707	Numerical Methods for PDE	2
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		120

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