

## Curriculum (pre)master Applied Physics, for University of Applied Sciences (HBO) for generation 2018 and 2019

Premaster		
Course code	Name	EC
191512001	Calculus A	4
191512021	Calculus B	3
201500292	Linear Algebra	3
191403070	Electricity en Magnetism	5
201700192	Models <sup>1</sup>	4,5
201500186	Optics <sup>2</sup>	4,5
201400538	Introduction to Solid State Physics <sup>3</sup>	7
<b>Total premaster</b>		<b>31</b>

First and second year (M1 en M2)		
Course code	Name	EC
<b>General physics courses (31 EC)</b>		
201500184	Quantum Mechanics	6
201500192	Statistical Physics	6
201500194	Electrodynamics	6
201500196	Fluid Physics	7
201500185	Hilbert Space	2
201500193	Partial Differential Equations	2
201500195	Numerical Methods for PDE	2
<b>Compulsory master courses (20 EC)</b>		
<b>Specialization courses (20 EC)</b>		
<b>Elective courses physics/technical (10 EC)</b>		
<b>Master's Assignment (40 EC)</b>		
201800344	Master's Assignment Physical Aspects	20
201800345	Master's Assignment General Aspects	20
<b>Total master</b>		<b>121</b>

<sup>1</sup> Part of BSc TN module 5: 201800159 Signals, Models and Systems

<sup>2</sup> Part of BSc TN module 6: 201500155 Waves, Interference and Probability

<sup>3</sup> Part of BSc AT module 9: 201800130 Condensed Matter Physics