



Core (left panel): elements in recommended order. Graduation project starts in the 2<sup>nd</sup> year, entry condition is 40 ECTS from the 1<sup>st</sup> year (including review and specialization course).

Extension (right panel): Possibilities to fill the extension space.

## 1<sup>st</sup> year HMS 2026-2027 (60 ECTS)

Block 1	Block 2	Block 3	Block 4
<b>Human Movement Sciences in Rehabilitation and Healthy Aging</b> BWM190		<b>Core</b> Literature review 10 ECTS BWM152 / BWM162	
<b>Core compulsory course</b> 3D-Movement analysis BWM176	<b>Core compulsory course</b> Advanced statistics BWM136	<b>Extension 10 ECTS</b>  <i>Internal courses</i> > Sport and talent BWM139 > Musculoskeletal modelling and biomechanics BWM177  <i>External course</i> Academic assignment	<b>Core compulsory course</b> Philosophy of science and ethics BWM143
<b>Extension 5 ECTS</b>  <i>Internal course</i> <sup>1</sup> > Motor control BWM137  <i>External course</i> Academic assignment	<b>Extension 5 ECTS</b>  <i>Internal course</i> > Physiology of training and exercise BWM134  <i>External course</i> Academic assignment		<b>Extension 5 ECTS</b>  <i>Internal course</i> > Big data in Sport Science and HMS BWM146  <i>External course</i> Academic assignment
<b>Start Master Monitor</b> BWMMO... <sup>2</sup>			

## 2<sup>nd</sup> year 2027-2028 (60 ECTS)

<b>Core:</b> Master Graduation Project (40 ECTS) <sup>3</sup> and Master Monitor BWMMO (5 ECTS)			
<b>Extension<sup>4</sup></b>  <i>Internal courses</i> > Signal analysis using machine learning BWM149  <i>External course</i> Academic assignment	<b>Extension</b>  <i>Internal courses</i> > Introduction to dynamical systems BWM142  <i>External course</i> Academic assignment	<b>Extension</b>  <i>External course</i> Academic assignment	<b>Extension</b>  <i>External course</i> Academic assignment
<b>...finalize Master Monitor</b> BWMMO			

<sup>1</sup> Each internal course represents a workload of 5 ECTS

<sup>2</sup> Master Monitor (5 ECTS) runs over the two master years

<sup>3</sup> Entry condition is 40 ECTS from the 1st year (including review and specialization)

<sup>4</sup> 15 ECTS of the extension part is scheduled for the second year