

Mechanical Engineering VWO a 3-year variant

Programme	EC
Year 1	60
□ Prototype	30
▫ WBVP21PP - Project Prototype	10
▫ WBVP17CA - Calculus	3
▫ WBVP17AM1 - Applied Mechanics I	4
▫ WBVP17DE1 - Design & Engineering I	3
▫ WBVP17MT1 - Manufacturing technology I	2
▫ WBVP17DE2 - Design & Engineering II	4
▫ WBVP21ED - Electrical Drives	2
▫ WBVP21PSK1 - Professional Skills I	2
□ Sustainable Energy	30
▫ WBVP21PSE - Project Sustainable Energy	10
▫ WBVP21ME - Materials Engineering	3
▫ WBVP17FM - Fluid Mechanics	3
▫ WBVP17TD1 - Thermodynamics I	4
▫ WBVP17ET - Energy Technology	2
▫ WBVP17TD2 - Thermodynamics II	2
▫ WBVP17DR - Drives	3
▫ WBVP21PSK2 - Professional Skills II	3
jaar 2	60
□ Production Organisation	30
▫ WBVH22PIM - Project Improvements	10
▫ WBVH18SSPC - Statistics/SPC	3
▫ WBVH18MT2 - Manufacturing Technology II	3
▫ WBVH22DN - Dynamics	3
▫ WBVH22AM2 - Applied Mechanics II	2
▫ WBVH18ORG - Organisations	2
▫ WBVH22CSE - Control Systems Engineering	5
▫ WBVH18RC - Professional Skills	2
□ Research, Design and Engineering	30
□ Compulsory Courses RDE	20
▫ WBVH18PRDE - Project Research, Design & Engineering	15
▫ WBVH18AR - Automation & Control	5
□ Electives RDE	5
<i>selection of following courses</i>	
▫ WBVH18IB - Installation Engineering	5
▫ WBVH18MB - Machine Engineering	5
□ Electives RDE	5
<i>selection of following courses</i>	
▫ WBVH8WIS5 - Mathematics 5	2
▫ POVB16082 - Electrical Engineering & Modelling	3
▫ WBVH18IB - Installation Engineering	5
▫ WBVH18MB - Machine Engineering	5
▫ WBVH18VI2 - Free Choice	2
▫ WBVH18VI3 - Free Choice	3
▫ WBVH18VI5 - Free Choice	5
Year 3	60
□ Elective	30
<i>electives</i>	
□ Graduation Project	30
▫ WBVH21AFS - Graduation Project	30