

## UTVU BSc Mechanical Engineering (ME)

The BSc ME programme is a three year programme. One year is divided in two semesters of each three blocks.

Below you find the courses per semester. The content per course can be found in the Course catalogue Osiris

[OSIRIS - Course offerings \(utwente.nl\)](https://osiris.utwente.nl)

	Course code	Course Name	EC	Block	Course Information via Osiris
YEAR 1		<b>SEMESTER 1: Manufacturing</b>		<b>1, 2, 3</b>	
	201900009	Mathematics: Linear Algebra	3	1,2	<a href="#">OSIRIS - Onderwijsaanbod 201900009 2022 (utwente.nl)</a>
	201900010	Statics	4	1	<a href="#">OSIRIS - Onderwijsaanbod 201900010 2022 (utwente.nl)</a>
	201900011	Mechanics of Materials	4	2	<a href="#">OSIRIS - Onderwijsaanbod 201900011 2022 (utwente.nl)</a>
	201900012	Materials Science	4	1,2,3	<a href="#">OSIRIS - Onderwijsaanbod 201900012 2022 (utwente.nl)</a>
	201900013	Manufacturing	5	1,2,3	<a href="#">OSIRIS - Onderwijsaanbod 201900013 2022 (utwente.nl)</a>
	201900014	TIME	1	1	<a href="#">OSIRIS - Onderwijsaanbod 201900014 2022 (utwente.nl)</a>
	201900015	Project & Academic Skills 1: Manufacturing	8,5	1,2,3	<a href="#">OSIRIS - Onderwijsaanbod 201900015 2022 (utwente.nl)</a>
	201900016	Continuous Assessment	0,5	3	<a href="#">OSIRIS - Onderwijsaanbod 201900016 2022 (utwente.nl)</a>
		<b>SEMESTER 2: Energy Transition &amp; Sustainability</b>		<b>4, 5, 6</b>	
	201900018	Mathematics: Calculus 1	4	4,5	<a href="#">OSIRIS - Onderwijsaanbod 201900018 2021 (utwente.nl)</a>
	201900019	Project & Academic Skills 2: Energy Transition & Sustainability	9	4,5,6	<a href="#">OSIRIS - Onderwijsaanbod 201900019 2021 (utwente.nl)</a>
	201900020	Thermodynamics 1 & 2	7,5	4,5	<a href="#">OSIRIS - Onderwijsaanbod 201900020 2021 (utwente.nl)</a>
	201900021	Renewable Engineering Technology	2,5	5	<a href="#">OSIRIS - Onderwijsaanbod 201900021 2021 (utwente.nl)</a>
	201900022	Design Engineering	1,5	4	<a href="#">OSIRIS - Onderwijsaanbod 201900022 2021 (utwente.nl)</a>
	201900023	Manufacturing Systems	2	6	<a href="#">OSIRIS - Onderwijsaanbod 201900023 2021 (utwente.nl)</a>
	201900024	Life Cycle Analysis	3	5	<a href="#">OSIRIS - Onderwijsaanbod 201900024 2021 (utwente.nl)</a>
	201900025	Continuous Assessment	0,5	6	<a href="#">OSIRIS - Onderwijsaanbod 201900025 2021 (utwente.nl)</a>
	<b>SEMESTER 3: Maintenance</b>	<b>EC</b>	<b>1, 2, 3</b>		
202000007	Math: Differential Equations	4	1,2	<a href="#">OSIRIS - Onderwijsaanbod 202000007 2022 (utwente.nl)</a>	
202000008	Dynamics	3,5	1	<a href="#">OSIRIS - Onderwijsaanbod 202000008 2022 (utwente.nl)</a>	
202000009	Mechanical Vibrations	3,5	2	<a href="#">OSIRIS - Onderwijsaanbod 202000009 2022 (utwente.nl)</a>	

YEAR 2	202000010	Materials Science: Polymers	2	1	<a href="#">OSIRIS - Onderwijsaanbod 202000010 2022 (utwente.nl)</a>
	202000011	Tribology	2	2	<a href="#">OSIRIS - Onderwijsaanbod 202000011 2022 (utwente.nl)</a>
	202000012	Signal Analysis	2	3	<a href="#">OSIRIS - Onderwijsaanbod 202000012 2022 (utwente.nl)</a>
	202000013	Manufacturing 2		1,2	<a href="#">OSIRIS - Onderwijsaanbod 202000013 2022 (utwente.nl)</a>
	202000014	Project & Academic Skills 3: Maintenance	9	1	<a href="#">OSIRIS - Onderwijsaanbod 202000014 2022 (utwente.nl)</a>
	202000015	Continuous Assessment 3	0,5	3	<a href="#">OSIRIS - Onderwijsaanbod 202000015 2022 (utwente.nl)</a>
		<b>SEMESTER 4: Technology for Healthcare</b>		<b>4, 5, 6</b>	
	202000017	Math: Statistics & Probability	2	5	<a href="#">OSIRIS - Onderwijsaanbod 202000017 2021 (utwente.nl)</a>
	202000018	System Analysis	3	4	<a href="#">OSIRIS - Onderwijsaanbod 202000018 2021 (utwente.nl)</a>
	202000019	Control Engineering	4	4	<a href="#">OSIRIS - Onderwijsaanbod 202000019 2021 (utwente.nl)</a>
	202000020	Precision Engineering	2	4,5	<a href="#">OSIRIS - Onderwijsaanbod 202000020 2021 (utwente.nl)</a>
	202000021	Elasticity Theory + FEM	3,5	5	<a href="#">OSIRIS - Onderwijsaanbod 202000021 2021 (utwente.nl)</a>
	202000022	Smart Industry	2,5	5	<a href="#">OSIRIS - Onderwijsaanbod 202000022 2021 (utwente.nl)</a>
	202000023	Systems Engineering	2	6	<a href="#">OSIRIS - Onderwijsaanbod 202000023 2021 (utwente.nl)</a>
	202000024	Project Academic & Skills 4: Technology for Healthcare	10,5	4, 5, 6	<a href="#">OSIRIS - Onderwijsaanbod 202000024 2021 (utwente.nl)</a>
	202000025	Continuous Assessment 4	0,5	6	<a href="#">OSIRIS - Onderwijsaanbod 202000025 2021 (utwente.nl)</a>

	Course code	Course Name	EC	Block	Course Information via Osiris
YEAR 3	<b>Minor</b>	<b>SEMESTER 5: Elective</b>	<b>30</b>	<b>1,2, 3</b>	<a href="#">General information   Minor &amp; Electives (utwente.nl)</a>
		<b>SEMESTER 6: Thermal &amp; Fluid Engineering and BSc Assignment</b>		<b>4, 5, 6</b>	
	202100008	Mathematics: Vector Calculus	2	4	<a href="#">OSIRIS - Onderwijsaanbod 202100008 2022 (utwente.nl)</a>
	202100009	Fluid Mechanics	3,5	4	<a href="#">OSIRIS - Onderwijsaanbod 202100009 2022 (utwente.nl)</a>
	202100010	Heat transfer	3,5	4	<a href="#">OSIRIS - Onderwijsaanbod 202100010 2022 (utwente.nl)</a>
	202100011	Project & Academic Skills 5: Thermal & Fluid Engineering	3	4	<a href="#">OSIRIS - Onderwijsaanbod 202100011 2022 (utwente.nl)</a>
	202100013	Research Skills	5	5	<a href="#">OSIRIS - Onderwijsaanbod 202100013 2021 (utwente.nl)</a>
	202100012	BSc Assignment	12	5.6	<a href="#">OSIRIS - Course offerings 202100012 2021 (utwente.nl)</a>
	202100014	Continuous Assessment 5	1	6	<a href="#">OSIRIS - Course offerings 202100014 2021 (utwente.nl)</a>