

Latest update: 12.03.2026

WPM/electives catalogue

Possible WP modules from other Master's degree programmes at ASU (a total of 15 ECTS are required):

Any admission requirements, e.g. prior knowledge for modules in the Department of Computer Science, must be taken into account accordingly and clarified individually with the lecturer.

If you are interested in modules that are not listed here, these can also be taken after consultation with the respective module coordinators and the Academic Director of Sustainability Studies.

Modules are generally taught in the language indicated by their title. Some modules may require on campus presence.

New:

Starting Summer Semester 2026, modules from the "Virtuelle Akademie Nachhaltigkeit (VAN)" and the "Zentrum für ethische Fragen im 21. Jahrhundert (zef21)" can generally be used for Sustainability Studies. This must however be agreed with the Academic Director; suitability for the project must be shown. Many of these Modules are taught fully digital. Most of them are taught in German.

A full list of these modules is available here:

VAN: www.va-bne.de

zef21: <https://www.zef21.de/akademie>

Modules from Albstadt-Sigmaringen University:

Faculty of Life Sciences

BMS

Name	ECTS	WS/SS
Statistische Planung und Analyse von Experimenten	5	SS
Biophysikalische Assaysysteme	2,5	SS
Laborautomation Biomedizin	2,5	WS SS
Biophysik der Zellen, Membranen und Proteine	2,5	WS

LSI – generally taught in classroom with opportunity for participation via video conference. One on-campus week roughly in the middle of the semester.

Name	ECTS	WS/SS
Building Information Management	5	SS
Business Development and Project Management	5	SS
Data Management & Digital Transition	5	SS
Hygienic Processing	5	SS

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Innovation Management & Consumer Centricity	5	SS
Standardization and Regulation in Life Science Industry	5	WS
Packaging Materials & Processes	5	SS
Life Science Logistics	5	WS
Planning of Research Proposals and Scientific Writing	5	WS
Production Processes and Advanced Technologies	5	WS
Sustainability	5	WS

LSE

Name	ECTS	WS/SS
Supply Engineering	5	SS
Production Site Planning	5	WS

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Faculty of Engineering

DEC – Modules from DEC are under consideration for Sustainability Studies. Please consult the contact person

Name Modul	ECTS	WS/SS
Consulting- Digital Marketing	5	WS
Consulting- Intrapreneurship	5	SS
Consulting- Agile Project Management	5	SS
Data Engineering- Machine Learning	5	WS
Data Engineering- Data Science	5	WS

TBM

Name Modul	ECTS	WS/SS
Innovative Textil- und Bekleidungssysteme	5	SS
Global Innovation- and Technologymanagement	2,5	WS
Personal- und Unternehmensführung	5	WS
Marketing	2,5	SS

MAM

Name Modul	ECTS	WS/SS
Informatik in der Produktion	5	tbd
Produktdatenmanagement	5	tbd
Robotik	2,5	tbd
Produktionsautomatisierung	5	tbd
Grafische Simulation	2,5	tbd
Aufgaben im Umfeld von Cax	2,5	tbd
Betriebsfestigkeit	5	SS
Fertigungssimulation	2,5	tbd
Smart Materials	5	tbd
Green Technology	5	Ab SoSe 2025, SS

DPM

Name Modul	ECTS	WS/SS
Production- Automation & Simulation	5 insg.	WS
Consulting- Application Systems ERP	5	WS
WPM: Data Engineering	5	SS
Lean Six Sigma Tools	5	SS

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Sustainable Engineering (B.Eng.)

Name Modul	ECTS	WS/SS
Einführung zur Nachhaltigen Geschäftsmodellierung	2,5 / 3	Voraus. nur SoSe 2025
LCA	tbd	

Faculty of BSM

DEB

Name Modul	ECTS	WS/SS
Technology & Efficiency	6	WS
IoT and IoT Engineering	6	WS

BWM

Name Modul	ECTS	WS/SS
Management Skills (auch für DBM und DEB angeboten)	6	SS
Wirtschaftsethik	3	WS

Faculty of Informatics

BSA

Name	ECTS	WS/SS
Data and Web Mining	6	WS, SS
Large-Scale Data Analysis and Parallelization	6	WS, SS
Strategic IT Management (<i>aber siehe Voraussetzungen</i>)	6	WS, SS
Business Process Management and Data Compliance	6	WS, SS
Advanced Statistics (<i>aber siehe Voraussetzungen</i>)	6	WS

SE

Name	ECTS	WS/SS
Virtuelle Modellierung	6	WS
Einführung Industrie 4.0	5	WS
Elektronik	6	SS
Maschinelles Lernen (<i>aber siehe Voraussetzungen</i>)	6	SS