Excluded electives BC 2.0
Chemical Engineering & Chemistry

TU/e
EINDHOVEN
UNIVERSITY OF
TECHNOLOGY

List of courses that cannot be taken as electives by students in the Chemical Engineering and Chemistry BC 2.0 program

Note that this list is not exhaustive. We advise students to check the course descriptions in Osiris and the overlap in content with your (core) courses. In case of doubts, always contact your coach.

The examination committee will check your elective package when you submit your program through the PlanApp. This can be done when you completed 90 ECTS and have planned 180 ECTS.

Table 1 – List of courses that cannot be taken as electives by students in the Chemical Engineering and Chemistry BC 2.0 program.

Excluded electives		CE&C course	
Code	Course name	Code	Course name
0HV120	Programming for Psychology and Technology	6BBR06	Programming and Linear Algebra
0LVX10	ITEC – Ethics of technology and engineering	0LVX30	ITEC – Ethics of technology and engineering
0LVX40	Impact of technology: engineering for society	0LVX20	Impact of technology: engineering for society
1BK50	Algorithmic Programming for Operations Management	6BBR06	Programming and Linear Algebra
1BK60	Fundamentals of Algorithmic Programming	6BBR06	Programming and Linear Algebra
1BV30	Fundamentals of Algorithmic Programming for Operations Management	6BBR06	Programming and Linear Algebra
2DBA0	Matrices and Differential Equations	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra
2DBB0	Calculus	6BBR03	Calculus for CE&C
2DD40	Mathematics 1	6BBR06	Programming and Linear Algebra
2DL00	Basic mathematics evening course	6BBR03	Calculus for CE&C
2DL10	Premaster calculus and probability	6BBR03	Calculus for CE&C
2DL15	Calculus and probability for premaster IM	6BBR03	Calculus for CE&C
2DL40	Advanced Calculus 1	6BBR05	Advanced Calculus for CE&C
2DL50	Advanced Calculus 2	6BBR05	Advanced Calculus for CE&C
2DL60	Linear algebra	6BBR06	Programming and Linear Algebra
2IP90	Programming	6BBR06	Programming and Linear Algebra
2MBA20	Linear Algebra 1	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra
2MBA30	Programming and Modelling	6BBR06	Programming and Linear Algebra
2MBA50	Linear Algebra 2	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra
2MBC20	Theory and applications of ordinary differential equations	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra
2MBC40	Vector analysis and geometry	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra
2MBS10	Probability and modelling	6BBR02; 6BMR03	Introduction to Practical and Inorganic Chemistry; Materials Science 1
2MBS20	Foundations of statistics	6BBR02; 6BMR03	Introduction to Practical and Inorganic Chemistry; Materials Science 1

Excluded electives		CE&C course	
Code	**Course name**	**Code**	**Course name**
2WAB0	Calculus variant A	6BBR03	Calculus for CE&C
2WBB0	Calculus variant B	6BBR03	Calculus for CE&C
2WCB0	Calculus variant C	6BBR03	Calculus for CE&C
31LAL	Linear Algebra	6BBR06	Programming and Linear Algebra
31MCA	Multivariable Calculus	6BBR05	Advanced Calculus for CE&C
31PAP	Programming for Applied Physics	6BBR06	Programming and Linear Algebra
32PTP	Physics of transport phenomena	6BPR01; 6BPR02	Physical Transport Phenomena 1; Physical Transport Phenomena 2
32TDY	Thermal Physics 3	6BBR04	Introduction to Thermodynamics and Chemical Bonding
4BC00	Chemically Reacting Flows	6BPR04	Chemical Reactors
4CA10	Principles of design and programming	6BBR06	Programming and Linear Algebra
4CBLB20	Control of a flexible robot system	6BER07	Process dynamics and control
4DA00	Dynamics	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra
4EB00	Thermodynamics	6BBR04	Introduction to Thermodynamics and Chemical Bonding
4MA00	Structure and Properties of Materials	6BMR03; 6BMR06	Materials Science 1; Materials Science 2
4MC10	Computational Mechanics	6BER03	Numerical Methods
4PB00	Heat and flow	6BPR01; 6BPR02	Physical Transport Phenomena 1; Physical Transport Phenomena 2
4RA10	Introduction transport phenomena	6BPR01; 6BPR02	Physical Transport Phenomena 1; Physical Transport Phenomena 2
5EZA0	Math 1	6BBR06	Programming and Linear Algebra
5EZB0	Math 2	6BBR05	Advanced Calculus for CE&C
6PMR01	Advanced Calculus for premasters	6BBR05	Advanced Calculus for CE&C
6PMR02	Introduction to Thermodynamics	6BBR04	Introduction to Thermodynamics and Chemical Bonding
6PMR03	Physical Transport Phenomena 1 for premasters	6BPR01	Physical Transport Phenomena 1
6PMR04	Separation Technology and Kinetics for premasters	6BPR03; 6BAR02	Separation Technology; Kinetics and Electrochemistry
6PMR05	Advanced Thermodynamics for premasters	6BAR01	Physical Chemistry 1
6PMR05	Advanced Thermodynamics for premasters	6BAR01	Physical Chemistry 1
6PMR06	Organic Chemistry for premasters	6BMR02	Organic Chemistry 2
6PMR07	Physical Transport Phenomena 2 for premasters	6BPR02	Physical Transport Phenomena 2
8BA010	Introduction organic chemistry	6BBR01	Introduction to Molecules and Processes
8BA040	Biochemistry	6BMR04	Biochemistry and technology
8BA050	Skills Experience	6BBR02	Introduction to Practical and Inorganic Chemistry
8BA060	Linear Algebra & multivariable calculus	6BBR05; 6BBR06	Advanced Calculus for CE&C; Programming and Linear Algebra

Excluded electives		CE&C course	
Code	Course name	Code	Course name
8BA080	Programming for data analytics	6BBR06	Programming and Linear Algebra
8BA110	Material Science	6BMR03	Materials Science 1
8BB040	Thermodynamics	6BBR04	Introduction to Thermodynamics and Chemical Bonding
8BB060	Flow and Diffusion	6BPR01; 6BPR02	Physical Transport Phenomena 1; Physical Transport Phenomena 2
8BE010	Electromagnetism	6BMR06	Materials Science 2
8BM030	Bio-organic chemistry	6BMR01; 6BMR02	Organic Chemistry 1; Organic Chemistry 2
DBB100	Creative Programming	6BBR06	Programming and Linear Algebra
JBI010	Programming	6BBR06	Programming and Linear Algebra