

Contact Person	Urban Frey	urban.frey@hevs.ch	027 606 86 57
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Study plan		
Modules		
Core Competences	Minimum 4 modules (12 ECTS)	
Cluster-specific Modules	Minimum 3 modules (9 ECTS)	30 ECTS
Additional Offer	Optional	
Specialization Modules	Compulsory	20 ECTS
Master Thesis	Compulsory	40 ECTS

Administrative deadlines	Autumn	Spring
Module registration	19.06 - 16.07	04.12-07.01
Module changes	01.10	1.03

Schedule																				
CW	week starting on	Monday				Tuesday				Wednesday				Thursday		Friday		Master thesis		
		8:15 - 9:50	10:15 - 11:50	13:00 - 14:35	15:00 - 16:35	8:15 - 9:50	10:15 - 11:50	13:00 - 14:35	15:00 - 16:35	8:15 - 9:50	10:15 - 11:50	13:00 - 14:35	15:00 - 16:35	Morning	Afternoon	Morning	Afternoon			
33	14.08.2023																	X03 - Start		
34	21.08.2023																			
35	28.08.2023																			
36	04.09.2023																			
37	11.09.2023																			
38	18.09.2023			B1 (LT)	B2 (LT)					S08	S08	S11	S11	BP1		B1	B2			
39	25.09.2023			B1 (LT)	B2 (LT)					S08	S08	S11	S11	BP1		B1	B2			
40	02.10.2023			B1 (LT)	B2 (LT)					S08	S08	S11	S11	BP1		B1	B2			
41	09.10.2023			B1 (LT)	B2 (LT)					S08	S08	S11	S11	BP1		B1	B2			
42	16.10.2023			B1 (LT)	B2 (LT)					S08	S08	S11	S11	BP1		B1	B2	X01 - Start		
43	23.10.2023			B1 (LT)	B2 (LT)					S08	S08	S11	S11	BP1		B1	B2			
44	30.10.2023			B1 (LT)	B2 (LT)					All Saints				BP1		B1	B2			
45	06.11.2023			B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
46	13.11.2023	Exam B1		B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
47	20.11.2023	Exam B2		B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
48	27.11.2023	Exam BP1		B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
49	04.12.2023			B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
50	11.12.2023			B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
51	18.12.2023			B4 (LT)	B3 (LT)					S08	S08	S11	S11	BP8		B3	B4			
52	25.12.2023																			
1	01.01.2024																			
2	08.01.2024																			
3	15.01.2024													Exam S11		Exam S08				
4	22.01.2024													Exam BP8 + C2		Re-exam BP1	Re-exam CO1	X01 - Report deadline		
5	29.01.2024																			
6	05.02.2024																			
7	12.02.2024																			
8	19.02.2024		Welcome	D1 (LT)	D4 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5	D1	D4	X02 - Start	
9	26.02.2024			D1 (LT)	D4 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5	D1	D4	X03 - Report deadline	
10	04.03.2024			D1 (LT)	D4 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5	D1	D4		
11	11.03.2024			D1 (LT)	D4 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5	D1	D4		
12	18.03.2024		Re-exam BP8 + CO2	D1 (LT)	D4 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5	D1	D4	X03 - Defense	
13	25.03.2024		Re-exam BP3 + BP7	D1 (LT)	D4 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5		Good Friday		
14	01.04.2024			Easter Monday							S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP5	D1	D4	
15	08.04.2024			D2 (LT)	D3 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP6	D2	D3		
16	15.04.2024			D2 (LT)	D3 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP6	D2	D3		
17	22.04.2024			D2 (LT)	D3 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP6	D2	D3		
18	29.04.2024		Exam BP5 + C4 + CO3	D2 (LT)	D3 (LT)					S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP6	D2	D3		
19	06.05.2024		S10	S10	D2 (LT)	D3 (LT)				S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		Ascension	D2	D3		
20	13.05.2024		S10	S10	D2 (LT)	D3 (LT)				S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP6	D2	D3		
21	20.05.2024			Pentecost							S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		BP6	D2	D3	
22	27.05.2024		S10	S10	S10	S10				S23/S24	S23/S24	S23/S24	S23/S24	Exam BP7		Corpus Christi				
23	03.06.2024													Exam S24		Exam S23		Annual meeting MLS	X02 - Defense	
24	10.06.2024		Exam D2											Exam CO4		Exam BP6 + C5	Re-exam BP5 + C4	X02 - Defense		
25	17.06.2024																			
26	24.06.2024																			
27	01.07.2024																			Annual meeting MSLs
28	08.07.2024																			
29	15.07.2024																			
30	22.07.2024																			
31	29.07.2024																			
32	05.08.2024		Re-exam BP6 + C5	Re-exam CO4														Re-exam S10 + F5		

Module Overview									
Specialization Modules									
Module	Description	Instructor	Contact	ECTS	Choice ¹⁾	Semester	Location		
S08	Genomics and genome analysis	Bruno Schnyder	bruno.schnyder@hevs.ch	4	c	Autumn	Sion, tbc		
S10	Quality Management & Regulatory Affairs	Marc Pfeifer	marc.pfeifer@hevs.ch	4	c	Spring	Sion, tbc		
S11	Sustainable Biotechnology	Fabian Fischer	fabian.fischer@hevs.ch	4	c	Autumn	Sion, tbc		
S23	Pharmaceutical Sciences Technologies	Origène Nyanguile	origene.nyanguile@hevs.ch	4	c	Spring	Sion, tbc		
S24	In Vitro Diagnostics	Jean-Manuel Segura	jmanuel.segura@hevs.ch	4	c	Spring	Sion, tbc		
Master Thesis									
Module	Description	Instructor	Contact	ECTS	Choice ¹⁾	Semester	Location		
X01	Literature Review and Research Proposal		Schedule to be defined with advisor	4	c	Autumn	Sion		
X02	Preliminary Project		Schedule to be defined with advisor	6	c	Spring	Sion		
X03	Master Project		Schedule to be defined with advisor	30	c	Autumn	Sion		
Core Competences Data & Business by MSLs									
Module	Description	ECTS ³⁾	Choice ¹⁾²⁾	Semester	Location ³⁾				
B1	Business Administration for Life Sciences	3	co	Autumn	Online				
B2	Management and Leadership for Life Sciences	3	co	Autumn	Online				
B3	Innovation and Project Management	3	co	Autumn	Online				
B4	Politics and Society	3	co	Autumn	Online				
D1	Handling and Visualising Data	3	co	Spring	Online				
D2	Design and Analysis of Experiments	3	co	Spring	Online				
D3	Modelling and Exploration of Multivariate Data	3	co	Spring	Online				
D4	Data and Ethics	3	co	Spring	Online				
Core Competences - Local Teaching (LT)									
Module	Description	Instructor	Contact	ECTS ³⁾	Choice ¹⁾²⁾	Semester	Location ³⁾		
B1 (LT)	Business Administration for Life Sciences	Riccardo Bonazzi	riccardo.bonazzi@hevs.ch	Part of B1	co	Autumn	Sion, tbc		
B2 (LT)	Management and Leadership for Life Sciences	Riccardo Bonazzi	riccardo.bonazzi@hevs.ch	Part of B2	co	Autumn	Sion, tbc		
B3 (LT)	Innovation and Project Management	Joëlle Mastelic	joelle.mastelic@hevs.ch	Part of B3	co	Autumn	Sion, tbc		
B4 (LT)	Politics and Society	Jean-Gabriel Piguët	jean-gabriel.piguët@hevs.ch	Part of B4	co	Autumn	Sion, tbc		
D1 (LT)	Handling and Visualising Data	Gilles Evequoz	gilles.evequoz@hevs.ch	Part of D1	co	Spring	Sion, tbc		
D2 (LT)	Design and Analysis of Experiments	Nils Hanik	nils.hanik@hevs.ch	Part of D2	co	Spring	Sion, tbc		
D3 (LT)	Modelling and Exploration of Multivariate Data	Alexandre Kuhn	alexandre.kuhn@hevs.ch	Part of D3	co	Spring	Sion, tbc		
D4 (LT)	Data and Ethics	Matthias Rudt	matthias.rudt@hevs.ch	Part of D4	co	Spring	Sion, tbc		
Cluster-specific Modules "BioPharma/BP" by MSLs									
Module	Description	ECTS	Choice ¹⁾²⁾	Semester	Location				
BP1	Compound Profiling in Pharmaceutical Drug Discovery	3	co	Autumn	Olten and online				
BP3	Design of Biopharmaceutical Production Facilities	3	co	Winter school	Wädenswil				
BP5	Physiology and Immunotherapies	3	co	Spring	Bern and online				
BP6	Tissue Engineering for Drug Discovery	3	co	Spring	Bern/Olten and online				
BP7	Bioanalytics in a Regulated Environment	3	co	Winter school	Muttenz				
BP8	Physicochemical Principles in Pharmaceutics	3	co	Autumn	Olten and online				
Additional Offer from other Clusters by MSLs									
Module	Description	Day	Week	ECTS	Choice ¹⁾²⁾	Semester	Location		
CO1	Modelling of Complex Systems	Thursday	CW38-44	3	o	Autumn	Olten and online		
CO2	Machine Learning and Pattern Recognition	Thursday	CW45-51	3	o	Autumn	Olten and online		
CO3	Optimisation and Bio-Inspired Algorithms	Thursday	CW8-14	3	o	Spring	Olten and online		
CO4	Imaging for the Life Sciences	Thursday	CW15-21	3	o	Spring	Olten and online		
C2	Surface Characterisation	Thursday	CW45-51	3	o	Autumn	Olten and online		
C4	Green Chemistry	Thursday	CW8-14	3	o	Spring	Olten and online		
C5	Chemistry and Energy	Thursday	CW15-21	3	o	Spring	Olten and online		
F2	Nutrition and Nutrition Related Chronic Diseases	Block week	CW6	3	o	Winter school	Olten		

1) compulsory (c), compulsory optional (co), optional (o)

2) CC and CS are compulsory optional (co) modules - for the CC modules you have to take 15 ECTS out of 21 ECTS, for the CS-modules you have to take minimal 9 ECTS

3) The common part (2 ECTS) is given by distance learning on Friday. The local teaching (1 ECTS, LTD or LTB) is given in Sion.

Contact Person	Olivier Nicolet	olivier.nicolet@hefr.ch	026 429 67 05
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Study plan		
Core Competences	Minimum 4 modules (12 ECTS)	
Cluster-specific Modules	Minimum 3 modules (9 ECTS)	30 ECTS
Additional Offer	Optional	
Specialization Modules	Compulsory	20 ECTS
Master Thesis	Compulsory	40 ECTS

Administrative deadlines	Autumn	Spring
Module registration	19.06 - 16.07	04.12-07.01
Module changes	01.10	1.03

Schedule																		
CW	week starting on	Monday			Tuesday			Wednesday			Thursday		Friday		Master thesis			
		8:15 - 9:50	10:15 - 11:50	13:00 - 14:35	15:00 - 16:35	8:15 - 9:50	10:15 - 11:50	13:00 - 14:35	15:00 - 16:35	8:15 - 9:50	10:15 - 11:50	13:00 - 14:35	15:00 - 16:35	Morning	Afternoon	Morning	Afternoon	
33	14.08.2023																	X03 - Start
34	21.08.2023																	
35	28.08.2023																	
36	04.09.2023																	
37	11.09.2023																	
38	18.09.2023	S01	S01	S04	S04	S04	S04	S05	S05	B1 (LT)	B2 (LT)			C1		B1	B2	
39	25.09.2023	S01	S01	S04	S04	S04	S04	S05	S05	B1 (LT)	B2 (LT)			C1		B1	B2	
40	02.10.2023	S01	S01	S04	S04	S04	S04	S05	S05	B1 (LT)	B2 (LT)			C1		B1	B2	
41	09.10.2023	S01	S01	S04	S04	S04	S04	S05	S05	B1 (LT)	B2 (LT)			C1		B1	B2	
42	16.10.2023	S01	S01			S04	S04	S05	S05	B1 (LT)	B2 (LT)		X01	C1		B1	B2	X01 - Start
43	23.10.2023									B1 (LT)	B2 (LT)	X01	X01	C1		B1	B2	
44	30.10.2023	S01	S01	S01	X01	X01	X01	X01	X01	All Saints				C1		B1	B2	
45	06.11.2023	S01	S01	S01	X01	S04	S04	S05	S05	B4 (LT)	B3 (LT)	B1 (LT)	B2 (LT)	C2		B3	B4	
46	13.11.2023	Exam B1		S01	X01	S04	S04	S05	S05	B4 (LT)	B3 (LT)	X01	X01	C2		B3	B4	
47	20.11.2023	Exam B2		S01	X01	S04	S04	S05	S05	B4 (LT)	B3 (LT)	X01	X01	C2		B3	B4	
48	27.11.2023	Exam C1		S01	X01	S04	S04	S05	S05	B4 (LT)	B3 (LT)	X01	X01	C2		B3	B4	
49	04.12.2023	S01	S01	S01	X01	S04	S04	S05	S05	B4 (LT)	B3 (LT)	X01	X01	C2		B3	B4	
50	11.12.2023	S01	S01	S01	X01	S05	S05	S05	S05	B4 (LT)	B3 (LT)	X01	X01	C2		B3	B4	
51	18.12.2023	S01	S01	S01	X01	S05	S05	S05	S05	B4 (LT)	B3 (LT)	X01	X01	C2		B3	B4	
52	25.12.2023																	
1	01.01.2024																	
2	08.01.2024																	
3	15.01.2024	Exam B3			Exam B4			Exam BP8 + C2		Re-exam BP1		Re-exam CO1						X01 - Report deadline
4	22.01.2024	Exam S04			Exam S05			Exam S01										
5	29.01.2024																	
6	05.02.2024	C3 (block week)																
7	12.02.2024	Exam C3																
8	19.02.2024			D1 (LT)	D4 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C4		D1	D4	X02 - Start
9	26.02.2024			D1 (LT)	D4 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C4		D1	D4	X03 - Report deadline
10	04.03.2024			D1 (LT)	D4 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C4		D1	D4	
11	11.03.2024			D1 (LT)	D4 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C4		D1	D4	
12	18.03.2024	Re-exam CO2		D1 (LT)	D4 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C4		D1	D4	X03 - Defense
13	25.03.2024	Re-exam BP3		D1 (LT)	D4 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C4		Good Friday		
14	01.04.2024	Easter Monday												C4		D1	D4	
15	08.04.2024			D2 (LT)	D3 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C5		D2	D3	
16	15.04.2024			D2 (LT)	D3 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C5		D2	D3	
17	22.04.2024			D2 (LT)	D3 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C5		D2	D3	
18	29.04.2024	Exam C4 + CO3		D2 (LT)	D3 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C5		D2	D3	
19	06.05.2024			D2 (LT)	D3 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	Ascension		D2	D3	
20	13.05.2024			D2 (LT)	D3 (LT)	S22	S22	S03	S03	X02	X02	X02	X02	C5		D2	D3	
21	20.05.2024	Pentecost												C5		D2	D3	
22	27.05.2024					S22	S22	S03	S03	X02	X02	X02	X02	Corpus Christi				
23	03.06.2024							X02 - Defense		X02	X02	X02	X02			Annual meeting MLS		
24	10.06.2024	Exam D2			Exam S03			Exam S22			Exam C5		Exam C04					Re-exam C4
25	17.06.2024	Exam S03			Exam S22			Exam C5		Exam C04								
26	24.06.2024	C6 (block week)																
27	01.07.2024																	
28	08.07.2024																	
29	15.07.2024																	
30	22.07.2024																	
31	29.07.2024																	
32	05.08.2024	Re-exam C5		Re-exam CO4														

Module Overview								
Specialization Modules				ECTS	Choice ¹⁾	Semester	Location	
S01	Process Chemistry and Development	Roger Marti	roger.marti@hefr.ch	4	c	Autumn	Fribourg, B00.20	
S03	Process Design and Optimization	Michal Dabros	michal.dabros@hefr.ch	4	c	Spring	Fribourg, tbc	
S04	Chemical Engineering & Process Intensification	Thierry Chappuis	thierry.chappuis@hefr.ch	4	c	Autumn	Fribourg, B00.20	
S05	Safety, Production and Quality	Véronique Breguet Mercier	veronique.breguetmercier@hefr.ch	4	c	Autumn	Fribourg, B00.20	
S22	Analytics and Characterization	Cyril Portmann	cyril.portmann@hefr.ch	4	c	Spring	Fribourg, tbc	
Master Thesis				ECTS	Choice ¹⁾	Semester	Location	
X01	Literature Review and Research Proposal			4	c	Autumn	Fribourg	
X02	Preliminary Project			6	c	Spring	Fribourg	
X03	Master Project			30	c	Autumn	Fribourg	
Core Competences Data & Business by MSLS				ECTS ³⁾	Choice ¹⁾²⁾	Semester	Location ³⁾	
B1	Business Administration for Life Sciences			3	co	Autumn	Online	
B2	Management and Leadership for Life Sciences			3	co	Autumn	Online	
B3	Innovation and Project Management			3	co	Autumn	Online	
B4	Politics and Society			3	co	Autumn	Online	
D1	Handling and Visualising Data			3	co	Spring	Online	
D2	Design and Analysis of Experiments			3	co	Spring	Online	
D3	Modelling and Exploration of Multivariate Data			3	co	Spring	Online	
D4	Data and Ethics			3	co	Spring	Online	
Core Competences - Local Teaching (LT)				ECTS ³⁾	Choice ¹⁾²⁾	Semester	Location ³⁾	
B1 (LT)	Business Administration for Life Sciences	Eric Mc Laren	eric.mclaren@hefr.ch	Part of B1	co	Autumn	Fribourg, C30.20	
B2 (LT)	Management and Leadership for Life Sciences	Danielle Burkhard	danielle.burkhard@hefr.ch	Part of B2	co	Autumn	Fribourg, C30.20	
B3 (LT)	Innovation and Project Management	Eric Mc Laren	eric.mclaren@hefr.ch	Part of B3	co	Autumn	Fribourg, C30.20	
B4 (LT)	Politics and Society	Danielle Burkhard	danielle.burkhard@hefr.ch	Part of B4	co	Autumn	Fribourg, C30.20	
D1 (LT)	Handling and Visualising Data	Florence Yerly	florence.yerly@hefr.ch	Part of D1	co	Spring	Fribourg, tbc	
D2 (LT)	Design and Analysis of Experiments	Florence Yerly	florence.yerly@hefr.ch	Part of D2	co	Spring	Fribourg, tbc	
D3 (LT)	Modelling and Exploration of Multivariate Data	Florence Yerly	florence.yerly@hefr.ch	Part of D3	co	Spring	Fribourg, tbc	
D4 (LT)	Data and Ethics	Rudolf Scheurer	rudolf.scheurer@hefr.ch	Part of D4	co	Spring	Fribourg, tbc	
Cluster-specific Modules "Chemistry" by MSLS				ECTS	Choice ¹⁾²⁾	Semester	Location	
C1	Materials Science			3	co	Autumn	Olten and online	
C2	Surface Characterisation			3	co	Autumn	Olten and online	
C3	Polymers and Applications			3	co	Winter school	Fribourg	
C4	Green Chemistry			3	co	Spring	Olten and online	
C5	Chemistry and Energy			3	co	Spring	Olten and online	
C6	Industrial Chemical Process Safety			3	co	Summer school	Fribourg	
Additional Offer from other Clusters by MSLS ⁵⁾				ECTS	Choice ¹⁾²⁾	Semester	Location	
CO1	Modelling of Complex Systems		Thursday	CW38-44	3	o	Autumn	Olten and online
CO2	Machine Learning and Pattern Recognitio		Thursday	CW45-51	3	o	Autumn	Olten and online
CO3	Optimisation and Bio-Inspired Algorithms		Thursday	CW18-14	3	o	Spring	Olten and online
CO4	Imaging for the Life Sciences		Thursday	CW15-21	3	o	Spring	Olten and online
BP1	Compound Profiling in Pharmaceutical Drug Discovery		Thursday	CW38-44	3	o	Autumn	Olten and online
BP3	Design of Biopharmaceutical Production Facilities		Block week	CW4	3	o	Winter school	Wädenswil

1) compulsory (c), compulsory optional (co), optional (o)
 2) CC and CS are compulsory optional (co) modules - for the CC modules you have to take 15 ECTS out of 21 ECTS, for the CS-modules you have to take minimal 9 ECTS
 3) The common part (2 ECTS) is given by distance learning on Friday. The local teaching (1 ECTS, LTD or LTB) is given in Fribourg.

Contact Person	Liming Zeng	liming.zeng@changins.ch	022 363 40 35
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Study plan		
Core Competences	Minimum 4 modules (12 ECTS)	
Cluster-specific Modules	Minimum 3 modules (9 ECTS)	30 ECTS
Additional Offer	Optional	
Specialization Modules	Compulsory	20 ECTS
Master Thesis	Compulsory	40 ECTS

Administrative deadlines	Autumn	Spring
Module registration	19.06 - 16.07	04.12-07.01
Module changes	01.10	1.03

Schedule																	
CW	week starting on	Monday			Tuesday			Wednesday			Thursday		Friday		Master thesis		
		8:50 - 10:25	10:40 - 12:15	13:15 - 14:50	15:05 - 16:40	8:50 - 10:25	10:40 - 12:15	13:15 - 14:50	15:05 - 16:40	8:50 - 10:25	10:40 - 12:15	13:15 - 14:50	15:05 - 16:40	Morning		Afternoon	Morning
33	14.08.2023																
34	21.08.2023																
35	28.08.2023																
36	04.09.2023																
37	11.09.2023	Semaines d'intégration Vinifera															
38	18.09.2023	Lundi du Jeûne				S13	S13					B1 (LT)	B2 (LT)	F6	B1	B2	
39	25.09.2023	S12	S12	S16	S16	S13	S13	S13						F6	B1	B2	
40	02.10.2023	S12	S12	S16	S16	S12 + S13	S12 + S13	S12 + S13	S12 + S13					F6	B1	B2	
41	09.10.2023	S12	S12	S16	S16	S13	S13	S12						F6	B1	B2	
42	16.10.2023	S12	S12	S16	S16	S12 + S13	S12 + S13	S12 + S13	S12 + S13					F6	B1	B2	X01 - Start
43	23.10.2023	S12 (9:40 -)	S12	S16	S16	S13	S13	S12	S12					F6	B1	B2	
44	30.10.2023	S12 (9:40 -)	S12	S16	S16	S13	S13	S16						F6	B1	B2	
45	06.11.2023	S12	S12	S16	S16	S13	S13	S16						[E2]	B3	B4	
46	13.11.2023	Exam B1		S16	S16	S13	S13	S16						[E2]	B3	B4	
47	20.11.2023	Exam B2		S16	S16	S13	S13							[E2]	B3	B4	
48	27.11.2023	S12	S12	S16	S16	S13	S13	S12						[E2]	B3	B4	
49	04.12.2023	S12	S12	S16	S16	S13	S13	S13						[E2]	B3	B4	
50	11.12.2023	S12 (9:40 -)	S12	S16	S16	S13	S13	S16						[E2]	B3	B4	
51	18.12.2023	S12 (9:40 -)	S12	S16	S16	S13	S13	S13						[E2]	B3	B4	
52	25.12.2023																
1	01.01.2024																
2	08.01.2024	Exam S13			Exam S16			Exam S12									
3	15.01.2024	Exam B3			Exam B4			X01 Discussion			X01 Discussion		X01 - Report deadline				
4	22.01.2024	F1 (block week) [or E3 (block week)]															
5	29.01.2024	F2 (block week)															
6	05.02.2024	Exam F1			Exam F2			Exam E3									
7	12.02.2024																
CW	week starting on	Monday			Tuesday			Wednesday			Thursday		Friday		Master thesis		
8	19.02.2024			S15	S15			S14	S14					F3 [or E5]	D1	D4	X02 - Start
9	26.02.2024			S15	S15			S14	S14					F3 [or E5]	D1	D4	
10	04.03.2024			S15	S15	S14	S14	S14	S14					F3 [or E5]	D1	D4	
11	11.03.2024			S15	S15			S14	S14					F3 [or E5]	D1	D4	
12	18.03.2024	Re-exam E2 + CO2		S15	S15	S15 + S14	S15 + S14	S15 + S14	S15 + S14					F3 [or E5]	D1	D4	
13	25.03.2024	Re-exam F1 + E3		S15	S15	S14	S14	S14	S14					F3 [or E5]		Good Friday	
14	01.04.2024	Easter Monday												F3 [or E5]	D1	D4	
15	08.04.2024			S15	S15	S14	S14	S14	S14					F4 [or E6]	D2	D3	
16	15.04.2024	S14	S14	S14	S14	S14	S14	S14	S14	S14	S14			F4 [or E6]	D2	D3	
17	22.04.2024			S15	S15	S14	S14	S14	S14					F4 [or E6]	D2	D3	
18	29.04.2024	Exam F3 + CO3 + E5		S15	S15	S14	S14	S14	S14					F4 [or E6]	D2	D3	
19	06.05.2024			S15	S15	S14	S14	S14	S14					Ascension	D2	D3	
20	13.05.2024	Joint Study Trip															
21	20.05.2024	Pentecost			D2 (LT)	D3 (LT)	S14	S14						F4 [or E6]	D2	D3	
22	27.05.2024			S15	S15			S14	S14					F4 [or E6]	D2	D3	
23	03.06.2024	S15 Presentation			S14 Presentation			Annual meeting MLS			Annual meeting MLS		X02 - Defense				
24	10.06.2024	Exam D2			Exam F4			Exam CO4			Re-exam F3 + E5		X02 - Defense				
25	17.06.2024	F5 (block week)															
26	24.06.2024	Annual meeting MSLS															
27	01.07.2024	Exam F5															
28	08.07.2024																
29	15.07.2024																
30	22.07.2024																
31	29.07.2024																
32	05.08.2024	Re-exam F4 + E6	Re-exam CO4												Re-exam F5		

Module Overview						
Specialization Modules						
S12	Grapevine Environment - Sustainable Viticulture	Thierry Heger	thierry.heger@changins.ch	ECTS	Choice ¹⁾	Semester
S13	Genetic Resources and Grapevine Production	Jean-Philippe Burdet	jean-philippe.burdet@changins.ch	4	c	Autumn
S14	Winery Design	Liming Zeng	liming.zeng@changins.ch	4	c	Spring
S15	Fermented Beverages Technology, Chemistry and Microbiology	Benoit Bach	benoit.bach@changins.ch	4	c	Spring
S16	Wine Economics and Management	Alexandre Mondoux	alexandre.mondoux@changins.ch	4	c	Autumn
Master Thesis						
X01	Literature Review and Research Proposal	Schedule to be defined with advisor		ECTS	Choice ¹⁾	Semester
X02	Preliminary Project	Schedule to be defined with advisor		4	c	Autumn
X03	Master Project			6	c	Spring
				30	c	Autumn
Core Competences Data & Business by MSLS						
B1	Business Administration for Life Sciences			ECTS ³⁾	Choice ¹⁾²⁾	Semester
B2	Management and Leadership for Life Sciences			3	co	Autumn
B3	Innovation and Project Management			3	co	Autumn
B4	Politics and Society			3	co	Autumn
D1	Handling and Visualising Data			3	co	Spring
D2	Design and Analysis of Experiments			3	co	Spring
D3	Modelling and Exploration of Multivariate Data			3	co	Spring
D4	Data and Ethics			3	co	Spring
				3	co	Spring
Core Competences - Local Teaching (LT)						
B1 (LT)	Business Administration for Life Sciences	Melanie Weikert	melanie.weikert@changins.ch	ECTS ³⁾	Choice ¹⁾²⁾	Semester
B2 (LT)	Management and Leadership for Life Sciences	Melanie Weikert	melanie.weikert@changins.ch	Part of B1	co	Autumn
B3 (LT)	Innovation and Project Management	Melanie Weikert	melanie.weikert@changins.ch	Part of B2	co	Autumn
B4 (LT)	Politics and Society	Melanie Weikert	melanie.weikert@changins.ch	Part of B3	co	Autumn
D1 (LT)	Handling and Visualising Data	David Singer	david.singer@changins.ch	Part of B4	co	Autumn
D2 (LT)	Design and Analysis of Experiments	David Singer	david.singer@changins.ch	Part of D1	co	Spring
D3 (LT)	Modelling and Exploration of Multivariate Data	David Singer	david.singer@changins.ch	Part of D2	co	Spring
D4 (LT)	Data and Ethics	David Singer	david.singer@changins.ch	Part of D3	co	Spring
				Part of D4	co	Spring
Cluster-specific Modules "BioPharma/BP" by MSLS						
F1	Progresses in Food Processing			ECTS	Choice ¹⁾²⁾	Semester
F2	Nutrition and Nutrition Related Chronic Diseases			3	co	Winter school
F3	Foodomics			3	co	Winter school
F4	Sustainable Food Supply Chains			3	co	Spring
F5	Advanced Sensory Techniques			3	co	Spring
F6	Journal Club Food and Nutrition Sciences			3	co	Summer school
				3	co	Autumn
Additional Offer from other Clusters by MSLS (shown between [] in the schedule)						
VE1	International Study Trips			ECTS	Choice ¹⁾²⁾	Semester
CO1	Modelling of Complex Systems		Thursday	3	o	-
CO2	Machine Learning and Pattern Recognition		Thursday	3	o	Autumn
CO3	Optimisation and Bio-Inspired Algorithms		Thursday	3	o	Autumn
CO4	Imaging for the Life Sciences		Thursday	3	o	Spring
E2	Life Cycle Assessment		Thursday	3	o	Spring
E3	Sustainable Natural Resource Management		Block week	3	o	Autumn
E5	Biodiversity		Thursday	3	o	Winter school
E6	Water Management for Households, Industry and Agriculture		Thursday	3	o	Spring

1) compulsory (c), compulsory optional (co), optional (o)
 2) CC and CS are compulsory optional (co) modules - for the CC modules you have to take 15 ECTS out of 21 ECTS, for the CS-modules you have to take minimal 9 ECTS
 3) The common part (2 ECTS) is given by distance learning on Friday. The local teaching (1 ECTS, LTD or LTB) is given in Changins in Autumn and online in Spring.