

科目ジュークボックスに登録された「ボルドー大学」科目一覧(生物資源学類における卒業に係る認定区分)

NO	科目名 (post_title)	course_number	degree	学部	学科	overview(概要)	卒業認定区分 (生物資源学類)
1	The Cell within the Body		Bachelor	Science and Technology	Life Science	In this course, students learn the basics of cell biology._ - Partially online courses._	専門科目
2	Introduction to Biological Systems		Bachelor	Science and Technology	Life Science	In this course, students learn about plant biology and microbiology._ - Partially online courses._	専門基礎科目
3	Cell Physiology	4TBG304U	Bachelor	Science and Technology	Life Science	Course objective:_ - Study the two main long distance communication systems ofvertebrates : the nervous and endocrine systems. - Analysing experimental data. - Using experimental setups. - Using analysis software.	専門科目
4	Molecular Biology	4TBG303U	Bachelor	Science and Technology	Life Science	In this course, students learn the basics of molecular biology._ - Molecular basis of gene expression_ - Knowledge of genome mechanisms : transcription, traduction,replication and regulations.	専門科目
5	Cell Biology and Development	4TBG306U	Bachelor	Science and Technology	Life Science	In this course, students learn the basics of cell biology anddevelopment. - Work on hypothesis,_ - Analyse experimental data, - Prepare and observe different cell types.	専門科目
6	Microbiology	4TBG302U	Bachelor	Science and Technology	Life Science	In this course, students will learn the basics of microbiology._	専門科目
7	Genetics		Bachelor	Science and Technology	Life Science		専門科目
8	Enzymology/Biochemistry	4TBG403U	Bachelor	Science and Technology	Life Science	In this course, students learn the: - Main metabolic pathways of glucids and lipids,_ - Basics of enzymatic reactions. - Analysing experimental data,_ - Working on hypotheses,_ - Learning the basics of mathematical tools,_ - Learning the basics of physical tools._	専門科目
9	Ecology	4TBG402U	Bachelor	Science and Technology	Life Science	In this course, students learn the basics in ecology._	専門科目
10	Integrated Plant Physiology	4TBG401U	Bachelor	Science and Technology	Life Science	In this course, students learn nutrition mechanisms, relations withplant structures and organizations (organs, tissues),_	専門科目
11	Experimental Methodology	4TBG407U	Bachelor	Science and Technology	Life Science	In this course, students make links between theoretical courses andbiology methodology._	専門科目
12	Intergrating Biology	4TBG409U	Bachelor	Science and Technology	Life Science		専門科目
13	Integrative Plant Biology	4TSV521U	Bachelor	Science and Technology	Life Science	In this course students learn about plant biology._ - Teamwork. - Information collection._ - Communication. - Usual methods in biochemistry, microscopy, cellbiology,immunohistochemistry._ - Databases,_ - Statistical approaches._	専門科目
14	Regulation of Cell Processes	4TSV606U	Bachelor	Science and Technology	Life Science	In this course, students will gain skills in the analysis of simplecell processes._ - Group work_ - Communication_ - Developing experimental approaches	専門科目
15	Biology in English	4TSV602U	Bachelor	Science and Technology	Life Science	In this course, students learn how to: - Develop skills in bibliography research,_ - Work in teams, - Develop the capacity to understand, organize and prepare ascientific talk in English._	専門科目
16	The Cell Unity within Diversity		Bachelor	Science and Technology	Life Science	In this course, students learn the basics of cell biology._ - Partially online courses._	専門科目
17	Genetics of Physiological and Pathological Processes		Bachelor	Science and Technology	Life Science		専門科目
18	Biology and Interdisciplinarity		Bachelor	Science and Technology	Life Science		専門科目
19	Database Management and Programming	M2106	Bachelor	Science and Technology	Computer Science	The student will acquire the following skills: - Implementing functionalities within database servers, - Accessing database servers with any kind of programming language, - Ensuring coherency when updating operations on a database asregards transactions.Lectures, seminars,	専門科目
20	System Architecture and Programming	M2101	Bachelor	Science and Technology	Computer Science	The objective of the course is to acquire the fundamentals aboutsystem architecture and low level programming.Lectures, practical training.	専門科目
21	Genetics of Physiological and Pathological Processes		Bachelor	Science and Technology	Life Science	- Partially online courses._	専門科目
22	Continuous Time Linear System Control Theory	UE31-M.3106C	Bachelor	Science and Technology	Electrical Engineering and Industrial	> After completion, the student should be able to:_ - Model a system based on differential equations and transform itinto a transfer function in the Laplace formalism. - Use frequency analysis to be able to determine particularproperties (stability, gain and phase margins) in open	専門科目
23	Study and Design of Polytechnical Projects	UE32-M.3203	Bachelor	Science and Technology	Electrical Engineering and Industrial	Design a mini sumo robot._ - Lab sessions: 50 hours (20 sessions of 2.5 hours). - Estimated self-study time: 10 hours.	専門科目
24	Networks		Bachelor	Science and Technology	Electrical Engineering and Industrial	- Identify the mechanical, electrical, and temporal features of awired or wireless network. - Implement ssynchronous and synchronous serial communication on amicrocontroller architecture. - Set a host on an IP network. - Develop a client application implementing a	専門科目
25	Architecture of a Microcontroller		Bachelor	Science and Technology	Electrical Engineering and Industrial	> After completing this course, students are able to: - Write a simple program in assembly language implementing theinternal registers of the Central Process Unit, the memory and Input/Output ports, - _Identify and name the Input / Output ports, - Set up Input / Output	専門科目
26	Electronics of Devices and Circuits	UE31-M.3104	Bachelor	Science and Technology	Electrical Engineering and Industrial	- Signal processing - From low to high frequencies - Theoretical classes and exercises: 24 hours. - Lab sessions: 15_hours. - Estimated self-study time: 60 hours. - * (some sessions might be in French)	専門科目
27	Inorganic Chemistry (CIS) and Physical Chemistry (CP2)	4TCH403U	Bachelor	Science and Technology	Chemistry		専門科目
28	Scientific Complement for Chemistry (CSC3) and Organic Chemistry (CO5)	4TCH404U	Bachelor	Science and Technology	Chemistry	This class CSC3 is the second part of Organic Chemistry 5 (CO5)_CO5 is an advanced course on mechanism and methods to determine themin organic chemistry.CSC3 is an overview of the backgrounds in biology, required for thenext courses concerning societal challenges of chemistry	専門科目
29	Experimental Chemistry 3	4TCH401U	Bachelor	Science and Technology	Chemistry	This class is divided in three practical courses: Analyticalchemistry, inorganic chemistry and physical chemistry.Practical sessions (12 x 4 hours).	専門基礎科目
30	Theoretical (CTh_o2) and Analytical Chemistry (CA1)	4TCH402U	Bachelor	Science and Technology	Chemistry	The first part, theoretical chemistry (CTh_o2), introduces the basesof quantum theory evoked in semester 2 and applies it to thedescription of the hydrogen atom, hydrogen-like ions andpoly-electronic atoms. Molecular orbitals model (MO) for diatomicmolecules associated with the	専門科目
31	Probability Theory & Statistics	4TTV310U	Bachelor	Science and Technology	Mathematics	- Probability spaces, discrete randoms variables, real-valued randomvariables - Classical limit theorems - Descriptive statistics: summary statistics, graphs - Statistical inference: statistical estimation, confidence interval - Principal component analysis - Practical sessions	専門基礎科目
32	Integration & Differential Equations	4TTV410U	Bachelor	Science and Technology	Mathematics	- Geometrical study of ordinary differential equations. - Resolution of first and second order differential equations. - Qualitative study of differential equations: Kepler's laws,epidemiology, Lotka-Volterra system. - Numerical schemes for differential equations. - Practical sessions on	専門基礎科目

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33	Resource Management and Renewable Resources	4TPM114U	Bachelor	Science and Technology	Biosourcing		専門科目
34	Introduction to Biological Systems	4TPM220U	Bachelor	Science and Technology	Biosourcing		専門科目
35	Methods and Tools for Biosyntheses/Innovation and Project Management	4TPM308U	Bachelor	Science and Technology	Biosourcing		専門科目
36	Design of Bio-based Compounds and Materials	4TTV502U	Bachelor	Science and Technology	Biosourcing		専門科目
37	Functional Programming	4TINA01U	Bachelor	Science and Technology	Computer Science		専門科目
38	Elementary Data Structures and Algorithms	4TIN302U	Bachelor	Science and Technology	Computer Science		専門科目
39	Introduction to Graph Theory	M2201	Bachelor	Science and Technology	Computer Science	Learning objectives: - Become familiar with basic concepts of Graph Theory - Detect when and how to use them in a programSkills and abilities: - Modeling of basic problems - Manipulation of graphs in algorithms - Computational complexityIn-class: lectures and tutorials	専門科目
40	Object-Oriented Design	M2104	Bachelor	Science and Technology	Computer Science	- Core knowledge and skills: communicating object-oriented design using the Unified Modelling Language, links to object-oriented programming. - Introduction to UML: class, object, use-case and communication diagrams. Support for and from the M2103 (Object-Oriented	専門科目
41	Introduction to Formal Language Theory	M2201	Bachelor	Science and Technology	Computer Science	Learning objectives: - Become familiar with basic concepts of Formal Language Theory - Explain and manipulate the different concepts in automata theory and formal languagesSkills and abilities: - Design automata or regular expressions for simple languages - Determine if a	基礎科目
42	Agronomy of Plants with Health Benefits	4TBA702U	Bachelor, Doctor, Master	Science and Technology	Biology	This course has been created essentially for health practitioners and professionals from companies interested in Food Supplements based on plants. It delivers a Post Graduate Diploma (DU) from the University of Bordeaux. The training mixes students from different origins	専門科目
43	Introduction to Simulation of Dynamic Process		Bachelor	Science and Technology	Computer Science		専門科目
44	Linear Algebra	4TPM119U	Bachelor	Science and Technology	Mathematics	- Vector spaces - Matrix calculation - Inverse matrices and determinants - Linear systems and gaussian elimination - Applications - Practical sessions on computers	専門基礎科目
45	Euclidian Spaces	4TPM222U	Bachelor	Science and Technology	Mathematics	- Euclidean spaces - Orthogonal group - Eigenvectors, eigen values - Diagonalization - Applications in biology, physics, chemistry - Practical sessions on computers	専門基礎科目
46	Environmental Impact and Resource Efficiency	4TTV406U	Bachelor	Science and Technology	Biosourcing		専門科目
47	Introduction to Image Processing		Bachelor	Science and Technology	Computer Science		専門科目
48	Theoretical Chemistry and Theoretical Tools for Chemists	4TPM215U	Bachelor	Science and Technology	Chemistry	> This course is divided in two courses: __ - CT1 (Theoretical Chemistry 1) and CSC1 (Theoretical Tools for Chemists 1) which aims to: - Address general aspects related to the concept of cohesion in matter from nuclear to molecular level. - Recall some key concepts of	専門基礎科目
49	Experimental Chemistry (CE-S2)	4TPM216U	Bachelor	Science and Technology	Chemistry	The class is a first experimental approach of the various domains of organic and inorganic chemistry. It is divided into 6 practical sessions of organic chemistry and 6 practical sessions of inorganic chemistry. Practical sessions: 16 x 4 hours.	専門基礎科目
50	Experimental Chemistry (CE-S3)	4TPCH304U	Bachelor	Science and Technology	Chemistry	This course is a first experimental approach of the various domains of organic, inorganic chemistry and physical chemistry. It is divided into 4 practical sessions of organic chemistry and 2 practical sessions of inorganic chemistry and 6 practical sessions of physical chemistry.	専門基礎科目
51	Physical Chemistry	4TCH303U	Bachelor	Science and Technology	Chemistry	> THIS COURSE IS COMPOSED OF TWO DIFFERENT AND INDEPENDENT CLASSES: - Physical Chemistry 1 (PC1_) is dedicated to a general introduction of the basic principles of Thermodynamics whose primary goal is to describe the equilibrium state of a macroscopic	専門科目
52	Basic Algorithms & Programming	4TPM118U	Bachelor	Science and Technology	Computer Science		基礎科目 情報
53	Data Management & Web Design	4TPM235U	Bachelor	Science and Technology	Computer Science		基礎科目 情報
54	Production System Management		Bachelor	Science and Technology	Applied Science		基礎科目 総合
55	Enterprise, Manufacturing and Service		Bachelor	Science and Technology	Applied Science		基礎科目 総合
56	Product Design and Innovation		Bachelor	Science and Technology	Applied Science		専門科目
57	Analysis 3		Bachelor	Science and Technology	Mathematics		専門基礎科目
58	Thermodynamics	4TBG302U	Bachelor	Science and Technology	Life Science	In this course, students learn the basics of thermodynamics, kinetics, solution chemistry, and also about inorganic chemistry in biological systems.	専門科目
59	History of Science	4TPM116U	Bachelor	Science and Technology	General Science	The course aims at understanding the origins of present day research and higher learning institutions as well as to answer the following question: How and When science became a profession? > Lectures, readings, homework (summary): - 18 contact hours (15 lectures, 3	基礎科目
60	Genetics of physiological and pathological processes		Bachelor	Science and Technology	Biology	This course will equip students with: - fundamental knowledge of genetics - understanding of how traits are passed from one generation to the next - basic comprehension of the role of genes in biological functions - methods for mapping genes to chromosomes and for predicting	専門科目
61	Biology and Interdisciplinarity		Bachelor	Science and Technology	Life Science	- Partially online courses.	専門基礎科目
62	Methods in Experimental Biology		Bachelor	Science and Technology	Life Science		専門基礎科目
63	Fundamental Notions in Mathematics		Bachelor	Science and Technology	Mathematics		専門基礎科目
64	How to Model Physics		Bachelor	Science and Technology	Physics		専門基礎科目
65	Theoretical Chemistry 1		Bachelor	Science and Technology	Chemistry		専門基礎科目

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66	Theoretical Chemistry 2		Bachelor	Science and Technology	Chemistry		専門基礎科目
67	Theoretical Chemistry 3		Bachelor	Science and Technology	Chemistry		専門基礎科目
68	Array Algorithms		Bachelor	Science and Technology	Computer Science		専門基礎科目
69	Probability, Statistics and Combinatorics		Bachelor	Science and Technology	Computer Science		専門基礎科目
70	Tree Data Structures and Algorithms		Bachelor	Science and Technology	Computer Science		専門基礎科目
71	Introduction to Quantum of Science		Bachelor	Science and Technology	General Science		専門基礎科目
72	Philosophy of Science	4TTV306U	Bachelor	Science and Technology	General Science	> The course is divided in two parts: - First, how disciplines and knowledge were taught, from medieval universities to the current system? - Second, does science evolve gradually or through revolutions?> Lectures, readings, homework (summary): - 18 contact hours (15 lectures, 3	基礎科目
73	Science Communication 1	4TPM221U	Bachelor	Science and Technology	General Science	The course introduces the main discussions about science (expert, popular, etc.) as well as their techniques.> Lectures in the classroom, group work (at home): - 12 contact hours (10 lectures, 2 exam), - 50 self-study hours (50 group work).	基礎科目
74	Science Communication 2	4TTV407U	Bachelor	Science and Technology	General Science	The course exposes the foundations of science communication (mainly popularization) and teaches its techniques.> Lectures (in the classroom), group work (at home): - 8 hours in class (75%), - About 50 hours at home (25%).	基礎科目
75	Cell Biology: The Cell, Unity Within Diversity		Bachelor	Science and Technology	Life Science		専門科目
76	Cell Biology: The Cell, Unity Within The Body		Bachelor	Science and Technology	Life Science		専門科目
77	Mathematics for Chemistry 2		Bachelor	Science and Technology	Chemistry		専門科目
78	Mathematics for Chemistry 3		Bachelor	Science and Technology	Chemistry		専門科目
79	Physical Chemistry 1		Bachelor	Science and Technology	Chemistry		専門科目
80	Physical Chemistry 2		Bachelor	Science and Technology	Chemistry		専門科目
81	Physical Chemistry 3		Bachelor	Science and Technology	Chemistry		専門科目
82	Practical Chemistry 1		Bachelor	Science and Technology	Chemistry		専門科目
83	Practical Chemistry 2		Bachelor	Science and Technology	Chemistry		専門科目
84	Practical Chemistry 3		Bachelor	Science and Technology	Chemistry		専門科目
85	Practical Chemistry 4		Bachelor	Science and Technology	Chemistry		専門科目
86	Practical Chemistry in Lab		Bachelor	Science and Technology	Chemistry		専門科目
87	Thematic Chemistry A		Bachelor	Science and Technology	Chemistry		専門科目
88	Thematic Chemistry B		Bachelor	Science and Technology	Chemistry		専門科目
89	Thematic Chemistry C		Bachelor	Science and Technology	Chemistry		専門科目
90	Thematic Chemistry D		Bachelor	Science and Technology	Chemistry		専門科目
91	Thematic Chemistry E		Bachelor	Science and Technology	Chemistry		専門科目
92	Thematic Chemistry F		Bachelor	Science and Technology	Chemistry		専門科目
93	Inorganic Chemistry 6		Bachelor	Science and Technology	Chemistry		専門科目
94	Organic Chemistry 1 and 2	4TPM213U	Bachelor	Science and Technology	Chemistry	> This course is divided in two courses CO1 (Organic Chemistry 1) and CO2 (Organic Chemistry 2): - CO1 is the first course in the three years undergraduate organic chemistry lecture sequence CO1 to CO6. Students will learn the basic principle to understand the structure and	専門科目
95	Organic Chemistry 3 and 4	4TCH301U	Bachelor	Science and Technology	Chemistry	> THIS COURSE IS DIVIDED IN 2: ___ I. _Organic Chemistry 3 (CO3)_ is a continuation of CO1 and CO2 (see the 4TPM213U course). Students will understand the reactivity of organic halogenated compounds (nucleophilic substitutions and eliminations), oxygen- (alcohols, phenols, ethers),	専門科目
96	Organic Chemistry 5		Bachelor	Science and Technology	Chemistry		専門科目
97	Organic Chemistry 6 and 7		Bachelor	Science and Technology	Chemistry		専門科目
98	Organic Chemistry 8		Bachelor	Science and Technology	Chemistry		専門科目

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99	Biochemistry 1		Bachelor	Science and Technology	Chemistry		専門科目
100	Inorganic 3 and Polymer 1 Chemistry	4TCH302U	Bachelor	Science and Technology	Chemistry	> This course is divided in two courses: - Inorganic Chemistry 3 (CI3), and - Polymers: __1. INORGANICCHEMISTRY 3_ is devoted to the study of crystalline solids. Recalling some key concepts (chemical bonding versus electronegativity; phase diagram ; X-ray	専門科目
101	Inorganic Chemistry 1 and 2	4TPM214U	Bachelor	Science and Technology	Chemistry	> This course is divided in two courses: - CI1 (Inorganic Chemistry 1), and - CI2 (Inorganic Chemistry 2). 1_ CI1 is the first course in the three years undergraduate inorganic chemistry lecture sequence. Students will learn the basic principle to understand the structural	専門科目
102	Inorganic Chemistry 4		Bachelor	Science and Technology	Chemistry		専門科目
103	Inorganic Chemistry 5		Bachelor	Science and Technology	Chemistry		専門科目
104	Mathematics for Chemistry 1		Bachelor	Science and Technology	Chemistry		専門科目
105	Analytical Chemistry 1		Bachelor	Science and Technology	Chemistry		専門科目
106	Analytical Chemistry 2		Bachelor	Science and Technology	Chemistry		専門科目
107	Analytical Chemistry 3		Bachelor	Science and Technology	Chemistry		専門科目
108	Project Management		Bachelor	Science and Technology	Applied Science		専門科目
109	Techniques for Material Characterization	V2DP3063, UE3-3 M.4203 CM	Bachelor	Science and Technology	Applied Science	Introduction to the characterization of materials. From structural(X-ray diffraction) to microstructural (Thermal analysis, Metallography, Energy Dispersive spectroscopy and Scanning Electron Microscopy imaging). Practical classes: 24 hours.	専門科目
110	Vibrations and Acoustics	V2DP3063, UE3-3 M.3204 CT, UE3-3	Bachelor	Science and Technology	Applied Science		専門科目
111	Nuclear Physics (PHYNU)	V2DP1026, UE1-3 M.1302 (part of)	Bachelor	Science and Technology	Applied Science	> After completion, students should be able to: - Calculate the mass defect and the binding energy of a nucleus. - Interpret and calculate the release of energy in a nuclear reaction (radioactive decay or induced reaction). - Explain why the alpha spectrum is discrete	専門科目
112	Genetics		Bachelor	Science and Technology	Life Science	> Learning objectives and outcomes: - A broad knowledge of genetic principles and different methods of genetic analysis. - An appreciation of how genetic principles and experimentation may be used to understand the biology of diverse organisms (examples are taken among	専門科目
113	Atomic and Molecular Spectroscopy	V2DP3062, UE3-2 M.3303	Bachelor	Science and Technology	Applied Science	> Introduction to the main methods of spectroscopy: - Atomic emission and absorption spectrometries, - Molecular absorption_ spectroscopy in the UV-visible and infrared ranges, - Fluorescence, - Raman and Rayleigh scattering. - Lab time: 3 sessions of 4 hours each (12	専門科目
114	Electroanalytical Methods (ELCHIM)	V2DP3062, UE3-2 M.4104 (part of)	Bachelor	Science and Technology	Applied Science	> After completion, the student should be able to: - Carry out conductivity calculations and measurements, - Analyze voltammograms and polarograms, - Perform a titration using the "calibration curve" method or standard additions. - Seminars: 10 hours. - Labs: 12 hours. -	専門科目
115	Electronics for Instrumentation	V2DP3063, UE3-3 M.3305 CT	Bachelor	Science and Technology	Applied Science		専門科目
116	Electronics of Devices and Circuits	V2DP1025, UE1-2 M.2202	Bachelor	Science and Technology	Applied Science		専門科目
117	Geometrical Optics and Photometry	V2DP2027, UE2-3 M.2303	Bachelor	Science and Technology	Applied Science		専門科目
118	Mathematics-Analysis	V2DP1024, UE1-1 M.1105	Bachelor	Science and Technology	Applied Science	> The course covers the following tasks: __ - Define the domain of definition of a function and if necessary draw it correctly __ - Represent a function of a real variable and then of 2 real variables __ - Calculate and use the derivative functions and then the partial derivative in	専門基礎科目
119	Structure and Properties of Materials	V2DP3063, UE3-3 M.3304 CM	Bachelor	Science and Technology	Applied Science	Application of the concept of binary phase diagram. Students learn how to establish them and how to use them to understand microstructure formation. Basic concepts of Metallography are introduced. Practical classes: 12 hours.	専門科目
120	Additional English Course 1	V2DP1024, UE1-1M.1101 (part of)	Bachelor	Science and Technology	Applied Science	A focus on language, gestures and cultural differences and misunderstandings. Stereotypes in Europe and worldwide are studied in order to undermine them. - In class time: seminars & pairwork (12 hours). - Estimated self-study time: 12 hours.	基礎科目
121	Additional English Course 2	V2DP2025, UE2-1M.2101 (part of)	Bachelor	Science and Technology	Applied Science	A focus on the main characteristics of oral English to improve student's understanding and speaking skills. Some pronunciation tips and an introduction to phonetics are provided. To apply their oral skills and knowledge on pronunciation, students must complete a song-telling	基礎科目
122	Atomic and Molecular Structures	V2DP1026, UE1-3 M.1302 (part of)	Bachelor	Science and Technology	Applied Science	The purpose of this module is to introduce the basic concepts of physical chemistry. In this module students will develop knowledge and skills relating to atomic structures, electronic configurations, atomic and molecular orbital shapes, and their relationship to chemical properties	専門科目
123	Chemical Equilibria 1 - Safety in the Laboratory (EQCH1)	V2DP2026, UE2-2 M.1303	Bachelor	Science and Technology	Applied Science	> After completion, the student should be able to: - Use the appropriate concepts to describe a chemical system (chemical change, reaction, extent of reaction, stoichiometry, activity, reaction quotient) - Relate the spontaneous change and the Gibbs energy of reaction - Determine and	専門科目
124	Chemical Equilibria 2. Redox Equilibria (EQCH2)	V2DP2027, UE2-3 M.2301	Bachelor	Science and Technology	Applied Science	> After completion, the student should be able to: - Explain how an electrochemical cell works - Determine the spontaneous reaction between two redox-pairs - Explain how common electrodes work - Calculate the solubility of an ionic compound in various solutions -	専門科目
125	Conditioning of Analogue Signals	V2DP3062, UE3-2 M.3301	Bachelor	Science and Technology	Applied Science	How to apply the concept of synchronous detection for impedance measurement. Students learn about the principle and concept of asynchronous detection and use it to realize an impedance-meter. The impedance-meter consists of three different parts to be fabricated: the sensor, the	専門科目
126	Control of Industrial Products: Analytical Chemistry	V2DP3063, UE3-3 M.4202 CM	Bachelor	Science and Technology	Applied Science	Expertise and Control of Industrial Products by Spectroscopy (preparing samples by chromatography). - Lab time: 16 hours. - Estimated self-study time: 10 hours.	専門科目
127	Algorithmic / C ++ Programming	V2DP1025, UE1-2 M.1204	Bachelor	Science and Technology	Applied Science	> Learn how to: - Write an algorithm from a descriptive text. - Obtain some general insights on the methodology to structure a computer program. - Write C++ code. - Five theoretical sessions of 2 hours classes. - Seven 4 hour lab sessions along with a 3 hour exam.	専門科目