

PROSPECTUS FOR INTERNATIONAL GRADUATE PROGRAM 2022
NAGOYA INSTITUTE OF TECHNOLOGY

1. General Information

Nagoya Institute of Technology (hereinafter referred to as NITech) provides International Graduate Programs for studying advanced theories and technologies in the Life Science and Applied Chemistry, and the Architecture, Design, Civil Engineering and Industrial Management Engineering. The lectures and seminars in these programs are generally given in English, so that qualified applicants are accepted even with little or no Japanese literacy. The applicants are not required to go to the preparatory Japanese classes, unlike the conventional graduate programs. However, the accepted students are strongly recommended to study Japanese during their postgraduate studies, since Japanese is essential for daily life in Japan and for finding employment in Japan after completion of their postgraduate studies. NITech provides Japanese language classes, in addition to the respective specialized courses.

2. Programs (Master's Degree) and Fields (Doctoral Degree)

The NITech International Graduate Programs include the Master's Degree Program in the Life Science and Applied Chemistry Program, and the Architecture, Civil Engineering and Industrial Management Engineering Program and the Doctoral Degree Program in the Department of Engineering, especially following two fields; Life Science and Applied Chemistry, and the Architecture, Civil Engineering and Industrial Management Engineering. The applicants are requested to choose either of the programs or fields according to the application procedure. The lectures, seminars, and individual advices are generally given in English, though some may be given in Japanese with the advancement of the student's Japanese competence.

(1) Master's Degree Program

The Master's Degree Program is provided for the two programs and gives lectures and seminars on advanced theories and technologies in the respective fields. The student must submit a master's degree thesis and pass the final examination for obtaining a master's degree in his/her selected field. For evaluating the student's competency in the field, the presentation of his/her research in an international conference is recommended.

1) Life Science and Applied Chemistry Program

The student selects one of the three fields: Life and Materials Chemistry, Soft Materials, and Advanced Ceramics. The prospective advisers and lectures in the respective fields are shown in Table 1-1 and 1-2.

2) Architecture, Civil Engineering and Industrial Management Engineering Program

The student selects one of the three fields: Architecture and Design, Civil and Environmental Engineering and Systems Management and Engineering. The prospective advisers and lectures in the respective fields are shown in Table 2-1 and 2-2.

(2) Doctoral Degree Program

The Doctoral Degree Program is provided for the two fields and gives specialized advices for the student's progress and training by a supervisor and an advisory group in each field. The doctoral degree is offered based on the student's doctoral thesis and the result of a final examination. In order to acquire the expertise and the comprehensive insight, the internship in some enterprise or academic organization is recommended in this program. It is necessary to earn 10 credits.

Further detail will be mailed out to successful candidates.

1) Life Science and Applied Chemistry

The student has research training for advanced theories and technologies in one specialized field selected among Life and Materials Chemistry, Soft Materials, and Advanced Ceramics. The research specifically focuses on development of new materials with superior functions, properties, and characteristics in a wide range of chemical fields. The prospective supervisors and advisors are shown in Table 1-3 and 1-4.

2) Architecture, Civil Engineering and Industrial Management Engineering

The student has research training for advanced theories and technologies in one specialized field selected among Architecture and Design, Civil and Environmental Engineering and Systems management and Engineering. The main objective of research is to attain the human-friendly and environment-friendly social spaces and infrastructures by the technologies related to architecture, civil engineering and industrial management. The prospective supervisors and advisors are shown in Table 2-3 and 2-4.

3. Scholarship

Applicants with excellent academic records are entitled to apply for the Nagoya Institute of Technology (NITech) Scholarship Foundation. The detail will be mailed out separately to the applicants.

4. Qualifications

(1) The applicant for the Master's Degree Program must satisfy one of the following qualifications:

- 1) graduated a university or a college;
- 2) completed 16 years of school education abroad;
- 3) completed 16 years of school education in an international school or equivalent educational institution in Japan;
- 4) the applicant who has not satisfied any of the above three qualifications but has submitted academic papers and documents must fulfill the following condition and is to be deemed by the graduate school of engineering in NITech to possess the academic ability at least equivalent to the university graduate in Japan:
 - i) be 22 years old or older as of September 30, 2022

Note: The applicant who is under category 4) is required to contact the International Student Affairs Office in NITech before submitting an application.

(2) The applicant for the Doctoral Degree Program must satisfy one of the following qualifications:

- 1) obtained a master's degree from a university or a college in Japan or abroad;
- 2) obtained a degree equivalent to a master's degree from a university or a college in Japan or abroad; and
- 3) obtained a degree equivalent to a master's degree from an international school or educational institution in Japan.

5. Application

A. Preliminary Selection (Documentary Examination)

The applicant is obliged first to contact a prospective adviser and obtain the approval on his/her study in master's degree program or the doctoral degree program.

After the approval of the prospective supervisor, the applicant is required to submit the following documents to the International Student Affairs Office in NITech (the postal address is given in Article 10) by December 9, 2021.

- (1) Application form with attachment of two photos taken within the past 6 months (6 cm×4 cm) to ANNEX I and ANNEX II
- (2) Certificate of citizenship
- (3) Official transcript of academic record
- (4) Official transcript of graduation certificate
- (5) Recommendation letter from the head of the department of applicant's home institution
Please use the recommendation form attached to the application form.
- (6) English Proficiency Test Score Report (such as TOEFL, TOEIC or IELTS)
- (7) Summary of thesis for Master's Course Program, or Master's thesis for Doctoral Course Program.
- (8) Copy of passport with the name and photo

The applicant will be notified of the result of the preliminary selection by e-mail on January 6, 2022. In the event of failed reception of the notification e-mail by the expected date, please contact the International Student Affairs Office in NITech (the postal address is given in Article 10) immediately.

B. Final Selection

The applicant from one of the universities in the international academic exchange agreements with NITech (Beijing University of Chemical Technology and Tongji University) has an interview by the representative of the supervisors from NITech. Otherwise the applicant to master's or doctoral degree program is subject to a final examination on January 26, 2022.

- (1) Life Science and Applied Chemistry
Oral examination and interview (i.e., graduation thesis)
- (2) Architecture, Civil Engineering and Industrial Management Engineering
Oral Examination

6. Notification of Admission

NITech will notify the applicant of the result of admission by e-mail by February 10, 2022. In the event of failing to receive the notification e-mail by the expected date, please contact the International Student Affairs Office in NITech (the postal address is given in Article 10) immediately.

7. Entrance Examination Fee, Admission Fee, and Tuition

The entrance examination fee, the admission fee, and the tuition for 2021 are:

- (1) Examination Fee: 30,000 (JPY)
- (2) Admission Fee: 282,000 (JPY)
- (3) Tuition: 535,800 (JPY)

※ Students from the universities in the international academic exchange agreements with NITech (Life Science and Applied Chemistry of Beijing University of Chemical Technology, and Architecture and Design, or Civil and Environmental Engineering of Tonji University) will be exempted from the examination, admission and tuition fees.

8. Accommodation

NITech has a dormitory for overseas students in the main campus. Graduate students are required to stay in the dormitory for a year.

9. Security Export Control

Nagoya Institute of Technology has established the “Nagoya Institute of Technology Security Export Control regulations” in accordance with the “Foreign Exchange and Foreign Trade Act”, and rigorously screens potential international students on the basis of these regulations. International applicants who fall under any of the conditions set out in said regulations may be unable to enter their desired program.

[Reference]

Ministry of Economy, Trade and Industry “Security Export Control”

<https://www.meti.go.jp/policy/anpo/englishpage.html>

“Nagoya Institute of Technology Security Export Control regulations”

https://www.nitech.ac.jp/eng/about/regulations/files/c-1_Security_Export_Control_Regulations.pdf

10. Contact Address

International Student Affairs Office

Nagoya Institute of Technology

Gokiso, Showa, Nagoya, Aichi 466-8555, Japan

Tel: +81-52-735-5074

Fax: +81-52-735-5080

E-mail: international@adm.nitech.ac.jp

Table 1-1 : Advisors in the Program

Graduate School of Engineering, **Master's Degree Program**,
 Department of Engineering, **Life Science and Applied Chemistry Program**

(subject to change)

Life and Materials Chemistry		
Professor	Associate Professor	Assistant Professor
AOKI Atsushi	INOMATA Tomohiko	IIGUNI Yoshinori
ITOH Hiroshi	ONO Katsuhiko	ISHII Yosuke
IWATA Shuichi	SONOYAMA Noriyuki	KONDO Masaharu
OHKITA Masakazu	NAGUMO Ryo	FURUKAWA Haruki
OZAWA Tomohiro	HANAI Yoshiteru	
KATO Yoshihito	HIRASHITA Tsunehisa	
KAWASAKI Shinji	HIROTA Yuuichiro	
KANDORI Hideki	FURUTANI Yuji	
KITAGAWA Shinya	MIZUNO Toshihisa	
SHIBATA Norio	MIYAGAWA Atsushi	
TAKADA Kazutake	YAGYU Takeyoshi	
DEWA Takehisa	YASUI Takashi	
NAKAMURA Shuichi	YAMAMOTO Yasushi	
YAMAMURA Hatsuo		

Soft Materials		
Professor	Associate Professor	Assistant Professor
INAI Yoshihito	ISHII Daisuke	
INOMATA Katsuhiko	OKAMOTO Shigeru	
TAKASU Akinori	SAKO Katsuya	
TSUKIJI Shinya	SHIOTSUKA Michito	
NAGATA Kenji	SUGIMOTO Hideki	
HIGUCHI Masahiro	TAKAGI Koji	
	NOBUKAWA Shogo	
	MATSUOKA Shinichi	
	YAMAMOTO Katsuhiko	
	YOSHIZATO Hideo	
	YOSHIMIZU Hiroaki	

Advanced Ceramics		
Professor	Associate Professor	Assistant Professor
ADACHI Nobuyasu	ASAKA Toru	
IDA Takashi	OBATA Akiko	
IWAMOTO Yuji	KAGOMIYA Isao	
KAKIMOTO Ken-ichi	SHIRAI Takashi	
SHIN Woosuck	DAIKO Yusuke	
NAKAYAMA Masanobu		
HASHIMOTO Shinobu		
HANEDA Masaaki		
HAYAKAWA Tomokatsu		
HYUGA Hideki		
FUKUDA Koichiro		
FUJI Masayoshi		
FUDOZI Hiroshi		
MAEDA Hirotaka		

Table 1-2 Lectures and Seminars in the Program

Please note that lectures and seminars listed below are subject to change due to NITech organizational restructuring in the Graduate School of Engineering, and refer to the latest list at our website.

Master's Course, Department of Engineering, Life Science and Applied Chemistry Program
(Life and Materials Chemistry)

Advanced Biophysical Chemistry
Advanced Protein Structural Science
Advanced Protein Functional Science
Advanced Biointerfacial Chemistry
Advanced Molecular Science
Advanced Structural Organic Chemistry
Advanced Supramolecular Structural Chemistry
Advanced Molecular Electronics
Advanced Synthetic Organic Chemistry
Organic Synthetic Chemistry
Bio-Related Organic Chemistry
Organometallic Chemistry
Bioorganic Chemistry
Advanced Electroanalytical Chemistry
Precise Electroanalytical Chemistry
Precise Analysis
Applied Analytical Chemistry
Instrumental Analysis
Advanced Instrumental Analysis
Advanced Complex Based Reaction
Advanced Industrial Electrochemistry
Chemistry of Molecular Devices
Inorganic Energy Conversion Materials
Advanced Chemical Reaction Engineering
Advanced Unit Operations
Biofunctional Molecular Engineering
Chemistry of Biomolecular Assembly
Advanced Polymer Thin Film Engineering
Environmental Polymer Chemistry
Bio-Functional Polymer Chemistry
Molecular and Cellular Biology
Metabolism of Biological Molecules
Molecular Physiology

Master's Course, Department of Engineering, Life Science and Applied Chemistry Program

{Soft Materials}

Environmental Systems of Chemical Resources I
Environmental Systems of Chemical Resources II
Environmental Systems of Chemical Resources III
Advanced Molecular Designs of Polymeric Materials I
Advanced Molecular Designs of Polymeric Materials II
Developments in Design of Biopolymers and Biomaterials I
Developments in Design of Biopolymers and Biomaterials II
Advanced Polymer Synthesis
Physical Properties of Polymers
Advanced Polymer Composite Materials
Materials Development
Polymeric Materials
Advanced Lecture of Polymer Structure
Advanced Polymer Physical Chemistry I
Advanced Polymer Physical Chemistry II
Advances in Bio-Related Macromolecular Science
Advanced Functional Polymers I
Advanced Functional Polymers II
Advanced Biomolecular Science I
Advanced Biomolecular Science II
Histochemistry and Molecular Biology I
Histochemistry and Molecular Biology II
Advanced Characterization of Functional Molecular Systems I
Advanced Characterization of Functional Molecular Systems II

{Advanced Ceramics}

Ceramics Physical Chemistry
Functional Properties of Ceramics
Structural Physics of Inorganic Materials
Ceramic Materials for Environmental Harmony I
Ceramic Materials for Environmental Harmony II
Ceramics Characterization
Materials Science for Energy
Advanced Nano-Photonics Science
Principles and Applications of Electroceramics
Advanced Ceramics for Energy Conversion
Energy Environmental Materials Synthesis
Advances in Bioceramics Science and Engineering I
Advances in Bioceramics Science and Engineering II
Design of Ceramic Materials
Engineering Ceramics
Advanced Crystal Chemistry of Inorganic Materials
Microstructure of Ceramics I
Microstructure of Ceramics II
Advanced Analysis of Crystal Structures
Advanced Environmental Materials
Assembly for Micro/Nano Architectures

Master's Course, Department of Engineering, Life Science and Applied Chemistry Program

{Others}

Engineering Design Workshop I
Engineering Design Workshop II
Engineering Design Workshop III
Engineering Design Workshop IV
Foundations for Engineers
Technology Presentation I
Technology Presentation II
Advanced Creative Engineering Methods A
Advanced Creative Engineering Methods B
Management and Technology for Community A
Management and Technology for Community B
Advances in Innovative Materials Science and Technology
Advanced Functional Materials Design
Advanced Applied Physics Design
Advanced Energy System Design I
Advanced Energy System Design II
Advanced Electrical and Mechanical Engineering Design
Advanced Lecture on Civic Tech
Advanced Disaster Prevention Systems
Advanced Lecture on Co-Creation
Advanced Lecture on Creative Learning
Developing Strategy
Management and Legal Systems
Strategic Project Management in Industry
Statistical Modeling and Inference for Engineers I
Statistical Modeling and Inference for Engineers II
Advances in Computer Science for Applied Chemistry
Advanced Lecture on Mathematical Sciences and Informatics
Basics of Mathematical Sciences and Informatics
Engineering Seminar I
Engineering Seminar II
Engineering Seminar III
Engineering Seminar IV
Research Internship
Global Presentation
Engineering Special Training I
Engineering Special Training II

Table 1-3 : Advisors in the Program

Graduate School of Engineering, **Doctoral Degree Program**,
 Department of Engineering, **Life Science and Applied Chemistry**

(subject to change)

Professor	Associate Professor	Assistant Professor
AOKI Atsushi	INOMATA Tomohiko	
ITOH Hiroshi	ONO Katsuhiko	
IWATA Shuichi	SONOYAMA Noriyuki	
OHKITA Masakazu	NAGUMO Ryo	
KATO Yoshihito	HIRASHITA Tsunehisa	
KAWASAKI Shinji	HIROTA Yuichiro	
KANDORI Hideki	FURUTANI Yuji	
KITAGAWA Shinya	MIYAGAWA Atsushi	
TAKADA Kazutake	YAMAMOTO Yasushi	
NAKAMURA Shuichi		
YAMAMURA Hatsuo		

Professor	Associate Professor	Assistant Professor
INAI Yoshihito	ISHII Daisuke	
INOMATA Katsuhiro	OKAMOTO Shigeru	
TAKASU Akinori	SUGIMOTO Hideki	
NAGATA Kenji	TAKAGI Koji	
HIGUCHI Masahiro	NOBUKAWA Shogo	
	MATSUOKA Shinichi	
	YAMAMOTO Katsuhiro	
	YOSHIZATO Hideo	
	YOSHIMIZU Hiroaki	

Professor	Associate Professor	Assistant Professor
ADACHI Nobuyasu	ASAKA Toru	
IDA Takashi	OBATA Akiko	
IWAMOTO Yuji	KAGOMIYA Isao	
KAKIMOTO Ken-ichi	SHIRAI Takashi	
SHIN Woosuck	DAIKO Yusuke	
NAKAYAMA Masanobu		
HASHIMOTO Shinobu		
HANEDA Masaaki		
HAYAKAWA Tomokatsu		
HYUGA Hideki		
FUKUDA Koichiro		
FUJI Masayoshi		
FUDOZI Hiroshi		
MAEDA Hirotaka		

Table 1-4: Lectures and Seminars in the Program

Please note that lectures and seminars listed below are subject to change due to NITech organizational restructuring in the Graduate School of Engineering, and refer to the latest list at our website.

Doctoral Course,
Department of Engineering, Life Science and Applied Chemistry

Innovation Leaders Seminar 1
Innovation Leaders Seminar 2
Engineering Design and Exercises
Advanced Specialization in Frontier Science I
Advanced Specialization in Frontier Science II
Life Science and Applied Chemistry Seminar 5
Life Science and Applied Chemistry Seminar 6
Life Science and Applied Chemistry Seminar 7
Life Science and Applied Chemistry Seminar 8
Life Science and Applied Chemistry Seminar 9
Life Science and Applied Chemistry Seminar 10

Table 2-1 : Advisors in the Program

Graduate School of Engineering, **Master's Degree Program**, Department of Engineering,
Architecture, Civil Engineering and Industrial Management Engineering Program
 (subject to change)

Architecture and Design		
Professor	Associate Professor	Assistant Professor
ISHIKAWA Yuka	ITO Takanori	
ISHIMATSU Takeyoshi	ITO Yosuke	
IDOTA Hideki	UMEMURA Hisashi	
KANEDA Toshiyuki	KOMATSU Yoshinori	
KAMO Kiwako	SATO Atsushi	
KAWABE Shinji	SUDO Mine	
KITAGAWA Keisuke	NATSUME Yoshinori	
KUSUHARA Fumio	HAMADA Shinichi	

Civil and Environmental Engineering		
Professor	Associate Professor	Assistant Professor
UEHARA Naoto	IWAMOTO Masami	
KAYABA Yuichi	UEHARA Takumi	
KITANO Toshikazu	SHO Kenjiro	
SEGUCHI Masahisa	SUZUKI Koji	
CHO Ho	NAGATA Kazutoshi	
NONAKA Tetsuya	YOSHIDA Naoko	
HIDESHIMA Eizo	YOSHIDA Ryo	
FUJITA Motohiro		
FUJIMOTO Tsumoru		
MAEDA Kenichi		
MASUDA Michiko		

Field of Systems Management and Engineering		
Professor	Associate Professor	Assistant Professor
ARAKAWA Masahiro	KAWAMURA Hironobu	
SUMI Katsunori	KANDA Koji	
TOKUMARU Norio	KOJIMA Mitsutoshi	
NAKADE Koichi	SUN Jing	
HAYASHI Atsuhiko	HAMAGUCHI Takashi	
YOKOYAMA Junichi		
WATANABE Kenji		

Table 2-2: Lectures and Seminars in the Program

Please note that lectures and seminars listed below are subject to change due to NITech organizational restructuring in the Graduate School of Engineering, and refer to the latest list at our website.

Master's Course, Department of Engineering,
Architecture, Civil Engineering and Industrial Management Engineering Program

(Architecture and Design)

Environmental Disaster Prevention
Practical Architectural Design
Practical Design for Structure Systems
Architectural Planning and Design Internship
Internship in Structure and Architecture
Exercises of Building Construction Experiment
Architectural Planning and Design Exercises
City Environment Planning
Building Life Cycle
Building Production
Urban System Modeling I
Urban System Modeling II
Architectural Thought
Design Management Seminar
Theory of Spatial Design
Architectural Style
Structural System
Analysis of Vibration in Structures I
Analysis of Vibration in Structures II
Theory of Environmental Design
Studies of Cultural Representations I
Studies of Cultural Representations II
Information Space Theory
Space Composition Theory
Seismic Design of Reinforced Concrete Structures
Human-Environment Systems I
Human-Environment Systems II

Master's Course, Department of Engineering,
Architecture, Civil Engineering and Industrial Management Engineering Program

{Civil and Environmental Engineering}

Strength of Structures
Structural Analysis
Structural Dynamics
Structural Stability
Environmental Hydraulics and Watershed Management
Water and Environmental Engineering I
Water and Environmental Engineering II
Environmental Statistics and Data Analysis I
Environmental Statistics and Data Analysis II
Conservation Biology
Construction of Urban Infrastructures with Environmental Harmony
Geo-Disaster Risk Reduction Engineering
Environmental Hydrology
Advanced Urban and Transportation Planning
Urban Infrastructure Management
Design of Social Infrastructure
Urban Safety Design
Design of Compound Material
Ethics in Socio-Engineering
Structural Analysis Simulation

Master's Course, Department of Engineering,
Architecture, Civil Engineering and Industrial Management Engineering Program

{Systems Management and Engineering}

Advanced Systems Management and Engineering I
Advanced Systems Management and Engineering II
Project Systems Engineering I
Project Systems Engineering II
Earthquake Disaster Risk Management
Production Management I
Production Management II
Analysis and Design for Production Systems
Quality Control and Improvement
Advanced Operations Research I
Advanced Operations Research II
Trends in Human Factors Psychology I
Trends in Human Factors Psychology II
Advanced Organizational Behavior I
Advanced Organizational Behavior II
Advanced Engineering Economy I
Advanced Engineering Economy II
Business Planning and Management
Marketing Strategy
Innovation Management
Management Accounting of Engineering
Principles of Strategy
Management of Technology
Supply Chain Management I
Supply Chain Management II
Safety Management I
Safety Management II

Master's Course, Department of Engineering,
 Architecture, Civil Engineering and Industrial Management Engineering Program

{Others}

Engineering Design Workshop I
Engineering Design Workshop II
Engineering Design Workshop III
Engineering Design Workshop IV
Foundations for Engineers
Technology Presentation I
Technology Presentation II
Advanced Creative Engineering Methods A
Advanced Creative Engineering Methods B
Management and Technology for Community A
Management and Technology for Community B
Advances in Innovative Materials Science and Technology
Advanced Functional Materials Design
Advanced Applied Physics Design
Advanced Energy System Design I
Advanced Energy System Design II
Advanced Electrical and Mechanical Engineering Design
Advanced Lecture on Civic Tech
Advanced Disaster Prevention Systems
Advanced Lecture on Co-Creation
Advanced Lecture on Creative Learning
Developing Strategy
Management and Legal Systems
Strategic Project Management in Industry
Statistical Modeling and Inference for Engineers I
Statistical Modeling and Inference for Engineers II
Advances in Computer Science for Applied Chemistry
Advanced Lecture on Mathematical Sciences and Informatics
Basics of Mathematical Sciences and Informatics
Engineering Seminar I
Engineering Seminar II
Engineering Seminar III
Engineering Seminar IV
Research Internship
Global Presentation
Engineering Special Training I
Engineering Special Training II

Table 2-3 : Advisors in the Program

Graduate School of Engineering, **Doctoral Degree Program**, Department of Engineering,
Architecture, Civil Engineering and Industrial Management Engineering

(subject to change)

Professor	Associate Professor	Assistant Professor
ISHIKAWA Yuka	ITO Yosuke	
ISHIMATSU Takeyoshi	KOMATSU Yoshinori	
IDOTA Hideki	SATO Atsushi	
KANEDA Toshiyuki	SUDO Mine	
KAWABE Shinji	NATSUME Yoshinori	
KITAGAWA Keisuke		
KUSUHARA Fumio		

Professor	Associate Professor	Assistant Professor
UEHARA Naoto	UEHARA Takumi	
KAYABA Yuichi	SUZUKI Koji	
KITANO Toshikazu	NAGATA Kazutoshi	
HIDESHIMA Eizo	YOSHIDA Naoko	
FUJITA Motohiro		
FUJIMOTO Tsumoru		
MAEDA Kenichi		
MASUDA Michiko		

Professor	Associate Professor	Assistant Professor
ARAKAWA Masahiro	KAWAMURA Hironobu	
SUMI Katsunori		
TOKUMARU Norio		
NAKADE Koichi		
YOKOYAMA Junichi		
WATANABE Kenji		

Table 2-4: Lectures and Seminars in the Program

Please note that lectures and seminars listed below are subject to change due to NITech organizational restructuring in the Graduate School of Engineering, and refer to the latest list at our website.

Doctoral Course, Department of Engineering,
Architecture, Civil Engineering and Industrial Management Engineering

Innovation Leaders Seminar 1
Innovation Leaders Seminar 2
Engineering Design and Exercises
Advanced Specialization in Frontier Science I
Advanced Specialization in Frontier Science II
Seminar in Socio-Engineering 5
Seminar in Socio-Engineering 6
Seminar in Socio-Engineering 7
Seminar in Socio-Engineering 8
Seminar in Socio-Engineering 9
Seminar in Socio-Engineering 10