



الجامعة المصرية اليابانية للعلوم والتكنولوجيا  
エジプト日本科学技術大学  
EGYPT-JAPAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

Professional Diploma  
Professional Master

# Heritage Science Program (HS)

Admission Policy and Guideline  
Fall 2022

# Admission Policy

The professional program is designed for local and international students, from various academic backgrounds, who are willing to realize the context of their place, heritage and identities through specialized knowledge, training, and experience.

To achieve the objectives and goals of the program, we seek fresh graduates, practitioners and scholars who want to acquire an applied and scientific skills and knowledge in preparation for further graduate studies or a career in Heritage Science.

To meet the vision of E-JUST, to enable the best use of E-JUST resources and to respond to social needs, the program admits students who are motivated to work in multidisciplinary team with respect to ethics, cultural diversity as well as social responsibility with satisfactory communication and academic skills.

Therefore, we welcome students who are willing to promote and add value to the community and learn independently and effectively to investigate problems, create solutions, generate ideas, innovate, and improve current practices. We expect students who can demonstrate a foundation for future leadership roles and enthusiasm and enjoyment for their study and work.

# Awarded Degree

The university (E-JUST), upon the recommendation of the Education and Academic Affairs Council, grants the following Professional Diploma and Professional Master degrees in two areas of specialization: Conservation Science and Museum Management:

- Professional Diploma of Heritage Science (in Conservation Science)
- Professional Diploma of Heritage Science (in Museum Management)

After a Professional Diploma with 24 credit hours, the candidate can register for a Professional Master's (the second academic year with more than 12 credit hours) to complete the required 36 credit hours for the professional Master's:

- Professional Master of Heritage Science (in Conservation Science)
- Professional Master of Heritage Science (in Museum Management)



# Study Duration

<b>Professional Diploma</b>	<b>Professional Master</b>
Minimum 2 main semesters and Maximum 6 main semesters	Minimum 4 main semesters and Maximum 8 main semesters

In the first academic year, all applicants will be registered for the Professional Diploma degree, and those who want to proceed to the second academic year of study to obtain the Professional Master's degree must meet the admission requirements mentioned below. To proceed for a Professional Master's degree (the second academic year), an applicant is required to:

- Complete the first-year course work of Professional Diploma (24 credit hours at least with CGPA of 3 with a minimum GPA (2) in each course).
- Defend his/her project proposal at the end of the 1st academic year in the Professional Diploma.
- Pass the personal interview before proceeding to the Professional Master's in Heritage Science program.

In this procedure, the screening committee assess the applicant's potential to succeed in his/her study. E-JUST University reserves the right to review the academic records and course work results of applicants to determine whether the academic credentials present to qualify for proceeding to a Professional Master's degree in Heritage Science.

Student can exit after the first academic year of study with a Professional Diploma Certificate or proceed to the second year to be awarded the professional master's degree.



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# Areas of Specializations

The Heritage Science Program in E-JUST has two areas of specialization

## **1- Conservation Science (CS)**

The Conservation Science area of specialization is for those who have relevant knowledge in conservation, natural sciences, engineering, computer science, information technology or any allied disciplines and want to improve their performance and acquire innovative knowledge and skills to become experts in heritage conservation.

Conservation problem-solving requires understanding of fundamental material properties and the chemical, physical, and biological deterioration processes as well as the scientific criteria to preserve and manage heritage materials. Conservation Science is a specialized field that provides technical support for the interpretation, management, access, planning and preservation of heritage material. Conservation Science helps in revealing the meaning and significance of heritage material, understanding deterioration mechanisms, developing accessibility and preservation treatments, and informing conservation and presentation procedures and decisions.

The Conservation Science area of specialization is for those who seek technological and scientific applications to interpret and evaluate the significance and sustainability of heritage based on the conservation, management, ethical, historical, and aesthetic contexts. Most international museums have scientific research department which mainly consists of conservation scientists who help conservators, exhibition designers, curators and museum managers, architects, and those responsible for the safe handling, packing, and transportation of heritage material. Conservation scientists also collaborate with a variety of museum professionals, policymakers, and industrial scientists to accomplish all their responsibilities and tasks. This area of specialization will have unique research domains including diagnosis and technical analysis of heritage materials and their environments, and technological development of conservation-restoration materials and techniques.

## **2- Museum Management (MM)**

The Museum Management area of specialization is for those who want to improve their performance and acquire innovative knowledge and skills to be an expert in the management and planning of heritage.

Museums in Egypt and Arabic countries preserve the unique cultural and natural heritage witnesses of the successive civilizations which are major resources for identity and social cohesion and have economic significance. Since the museums currently face different types of crises and risks, the evolution of museum management has now become a priority to save and promote the indigenous heritage to guarantee their presence in the global map of heritage tourism.

Significant changes in museum management have been noticed in the last decades with a shift towards community, the development of work ethics, education programs and strategic planning responding to workplace demands, social needs and technological advancement. The Museum Management area of specialization introduces the student to organizational structures; ethics as well as museum hospitality; museum education; governance; policies; strategic planning & marketing; leadership styles; teamwork, financial management; project management & personnel management in museums and other cultural resources.

Within the museum context, a qualified curator or conservator, for example, is very likely to have responsibility for managing valuable resources, including collections, people, equipment, projects, and their budgets with understanding of the relevant ethical standards and national and international laws and regulations affecting both museum operations and museum management. Continuous education and training of museum personnel enhance the institution's ability to grow, to serve the public and the collections, and to meet the international standards of museum management.

There is also a need to widen the emphasis from preservation of the museum objects to include the care of the museum staff and communities to ensure a better future and management of our museums. Whilst it is necessary to train museum staff to look after the collections in their care, at the same time, it is expected that communities will be involved in creating the new structures of our strategy of preservation.

The curriculum will draw upon the expectations of the international museum management standards programs in Japan and present these within an international context. This area of specialization will emphasize some research domains including the interpretation of material culture through innovative exhibitions, educational and community awareness and marketing within museums mission, governance, and operation.

## The selection of the Areas of Specialization of the Heritage Science

During the online application, the applicant must select the desired area of specialization.

To provide better educational guidance, we recommend that students consult the staff about possible project topics before filling out the applications. Applicants are also welcomed to visit E-JUST labs before applications.

- **Prof. Sayed Hemeda** – Professor of Heritage Science (CS)

Manager of Heritage Science Program

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- **Prof. Takao Kikuchi** – Professor of Heritage Science (MM)

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- **Admission Office Contact:**

Email: [professional.diploma@ejust.edu.eg](mailto:professional.diploma@ejust.edu.eg)



# Required Documents

## List of Documents to be submitted to the Student Affairs in the online application:

- Application Form (Signed Application – submitted online)
- BA/BSc Certificate (In English)
- BA/BSc Transcript (In English)
- CV (In English)
- Military Certificate
- National ID Card (Both Sides) and (Passport if available)
- Personal Photograph
- **Personal statement and Project Proposal**

**(The personal statement should** express the applicant's aspiration motive of study and how his/her academic and professional background meets admission policy of this program and what is his/her desired professional career with the degree of this program).

**The project proposal** should cover the study area you would like to work on during your study.

**Please fill it and upload in the online application.**

- Any other related degrees and certificates if available (e.g., Diploma, Master, Ph. D or training courses) - (In English)
- **English Language Proficiency certificate:**
  - Student should pass the E-JUST English Language Proficiency TEST (EPT), or Provide TOEFL IBT 59 or Academic IELTS: 5.5 certificate.
  - The Language certificate should be valid on the date of the application of the applicant.
  - Applicants whose native language is English are not required to submit official evidence of English Language Proficiency



# Admission Requirements:

To register for the Heritage Science program of Professional Diploma, mandatory to proceed to Professional Master's degree in the second academic year, the applicant must fulfil the below:

<b>Undergraduate Certificate</b>		An applicant should have a BA or BSc with grade “good” or equivalent cumulative percentage (%) or CGPA (2 out of 4).
<b>Academic/Career Background</b>	<b>Conservation Science (CS)</b>	Relevant knowledge in Conservation, Natural sciences, Engineering, Computer Science, Environment, Geology, Information Technology or any allied disciplines and a desire to improve their performance and acquire innovative knowledge and skills to become an expert in heritage preservation.
	<b>Museum Management (MM)</b>	Archaeology; Conservation; Fine Arts; History; Finance; Accounting; Engineering, Management; Marketing; Education; Public Relation; Law; Architecture; Computer Science, and Information & Communication Technology etc.
<b>Complementary Courses</b>		<ul style="list-style-type: none"> <li>• Those who do not have the educational and academic background as required by each area of specialization may be required to pass complementary courses prior to starting regular graduate courses, or in parallel, while a level of competence in chemistry is essential to enrollment in the Conservation Science area of specialization.</li> <li>• Successful applicants will be notified of the required complementary courses with the admission exams' result announcement.</li> </ul>

## Entrance Exams and Interview

Applicants are required to successfully pass an entrance examination (Written exams and Interview) that focuses on the students' academic background in the related program.

### Admission Entrance Examination and Interview consists of two parts:

- Heritage Science Written Examination
  - Interview
- Applicants must successfully pass the both written examination and interview.
  - The applicant minimum acceptance percentage in each part (Heritage Science Written Exam and Interview) is 50%.
  - The applicant minimum acceptance percentage of the total evaluation (Heritage Science Written Exams + Interview) is 50%.

- Interview includes project proposal discussion while professional skills, specialization knowledge and IT skills, and teamwork skills will be also measured.
- The percentages of total evaluation would be distributing as follows:

Heritage Science Written Exams: 50%

Interview: 50%

**For applicants selecting Conservation Science** as his/her specialization, they must pass the extra Chemistry exam (this exam will not be included in the total score, it is only pass or fail exam).

### **Heritage Science Written Examination**

- This exam will demonstrate the applicant's equivalent proficiency in Heritage Science in which he/she selected one's area of specialization.
- The entrance written exam will be maximum two hours.
- Heritage Science written examination is composed of two parts: compulsory and optional.
- Answers should be given in English. For each question, the answer should be given in the provided answer sheet space.
- Your choice among the optional questions does not necessarily have to correspond to the field in which you would like to study in our Heritage Science program.
- E-JUST will held English Proficiency Test to the applicants who did not fulfil the minimum required score for the Academic IELTS or iBT TOEFL (This exam will not be included in the total score; it is only pass or fail exam).

### **Interview and Project Proposal Discussion:**

Interview and project proposal assessment criteria may include:

- Ability and potential for conducting project
- Knowledge of basics principles in the field
- Potential for conducting independent experiments/surveys
- Presentation skills
- Originality of the proposal
- Logic and clearness to expose ideas (looking to audience)
- Answering questions logic, and consistently
- Clear and concise spoken English
- Personal Character: Motivation and neatness
- Awards and publication

**Note:** Reasons for disqualification in any stage of selection procedure will NOT be disclosed.



# Fees and Scholarships

## The Tuition Fees:

- 10,000 Egyptian Pound for the Professional Diploma (1 year)
- 20,000 Egyptian Pound for the Professional Master's degree (2 years)

## OUDA Scholarship:

This scholarship is provided by the Operational Unit of Development Assistance (OUDA) and is designated for excellent post-graduate students who are registered in the Heritage Science Program of E-JUST. The scholarships are available to the applicants from the Ministry of Tourism and Antiquities, Ministry of Culture and other individuals in other museums and institutes or private sector in Egypt.

- The scholarship will cover the tuition fees totally or partially.
- Every applicant for the Heritage Science Program can apply for the scholarship (if needed).
- To be a candidate of this scholarship, applicants to the Professional Diploma, which is mandatory to proceed to a Professional Master's, are required to apply for this scholarship in the online application of this program.
- The scholarship's support is dependent upon the student good standing with the E-JUST graduate program in which he/she is registered. An evaluation progress report of the scholarship will be conducted quarterly reporting about the scholarship student's study level, including the student transcript, academic advisor report, and the updated student project situation.
- While the scholarship students devote themselves to their study and project in E-JUST, they are allowed to work elsewhere during their scholarships period in view of the bylaws of the Heritage Science Program in E-JUST as well as the mission of the OUDA

# Admission Process

Process
<b>Online Application</b> (selecting the area of specialization and research theme)
<b>Primary Screening Announcement</b>
<b>Admission Exams</b> (Written & Interview)
<b>Results Announcement</b> (and determining the Complementary Courses, if necessary)
<b>Complementary courses start</b> (if necessary)
<b>Deadline to submit Admission Requirements and tuition fees</b>
<b>Orientation Day</b>
<b>Start of Fall Semester</b>

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# Research Areas and Topics

## In Conservation Science

- Assessment of Cleaning and Consolidation Materials and Methods
- Assessment of Conservation Treatments and Procedures
- Documentation and Visualization
- Material Characterization, Analysis and Diagnosis
- Preservation and Conservation Policies and Standards
- Scientific Interpretation and Community Engagement
- Conservation planning and management of built heritage
- Construction pathology and rehabilitation technology
- Historic urban landscape

## In Museum Management:

- Collection Management
- Interpretation of Material Culture in the context of Museum Collection
- Communication Management
- Development of Exhibition
- Museum Education
- Lifelong Learning
- Community Engagement
- Heritage Utilization
- Museum Hospitality
- Mission / Administration Management
- Museum Policy and Guideline
- Accounting, Finance and Human Resources in the context of Museum Administration

## Voice of Graduate

"Fieldwork course of the program, including visits to sites and museums, were for me most impressive and an ideal opportunity to widen knowledge and skills as well as deepen friendship with colleagues."

"The most interesting and beneficial moments for me, were when we had the chance to reflect what we had learnt during the program through the online webinars and proposed development project for Museum of fine Arts - Alexandria, having this rich discussion with expertise and sharing knowledge with many people and getting their feedback was very impressive and productive."

"After graduation, I applied for another Master program in Helwan University to allow me to proceed for the PHD, E-Just master was very rich that it reflected on my study and improved my research qualifications in the new program."

"It affected my work that I was able to write my first article at the Egyptian Archaeology Magazine about the Tutankhamun Exhibition in the Grand Egyptian Museum, which is my main work as a Director for Exhibition department in GEM."

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# Professional Diploma Outline

## A. Professional Diploma in Conservation Science: 24 credits

### 1. Core Courses:

**Compulsory subjects:** 12 credits

- Type of course: Fieldwork:

HSC 505 Material Heritages

HSC 512 Monitoring & Analysis of Heritage Material

- Type of course: Practicum:

HSC 506 Documentation, Cataloging and Archiving

HSC 511 Assessment of Conservation Method & Material

- Type of course: Zemi:

HSC 507 Zemi 1

HSC 518 Zemi 2

### 2. Elective Courses

**Elective subjects:** 12 credits

- Type of course: Seminar:

HSC 501 Introduction to Heritage Science

HSC 502 Conservation Fundamentals & Practice

HSC 503 Introduction Museum Management

HSC 504 Natural Sciences & Conservation Engineering

HSC 508 Lifelong Learning in Local Context

HSC 509 Heritage Utilization & Community Engagement

HSC 510 Micro-Climate Control in Museum

HSC 515 Education, Hospitality & Media in Museum

HSC 516 Display & Exhibition Design

## B. Professional Diploma in Museum Management: 24 credits

### 1. Core Courses:

**Compulsory subjects:** 10 credits

- Type of course: Fieldwork

HSC 505 Material Heritages

HSC 517 Museum Management

- Type of course: Practicum

HSC 506 Documentation, Cataloging and Archiving

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- Type of course: Zemi

HSC 507 Zemi 1

HSC 518 Zemi 2

## 2. Elective Courses

**Elective subjects:** 14 credits (2 credits from Practicum are mandatory.)

- Type of course: Seminar

HSC 501 Introduction to Heritage Science

HSC 502 Conservation Fundamentals & Practice

HSC 503 Introduction Museum Management

HSC 504 Natural Sciences & Conservation Engineering

HSC 508 Lifelong Learning in Local Context

HSC 509 Heritage Utilization & Community Engagement

HSC 510 Micro-Climate Control in Museum

HSC 515 Education, Hospitality & Media in Museum

HSC 516 Display & Exhibition Design

- Type of course: Practicum

HSC 513 Ancient Egyptian & Coptic Archaeology with Practice

HSC 514 Islamic & Modern Heritage with Practice

# Professional Master Outline:

**A. Professional Master in Conservation Science: 36 credits (24 credits of Diploma + 12 credits)**

## 1. Core Courses:

**Compulsory subjects:** 10 credits

- Type of course: Zemi

HSC 519 Zemi 3

HSC 520 Zemi 4

- Type of course: Project

HSC 521 Project

## 2. Elective Courses

**Elective subjects:** 2 credits

- Type of course: Seminar

HSC 501 Introduction to Heritage Science

HSC 502 Conservation Fundamentals & Practice

HSC 503 Introduction Museum Management

HSC 504 Natural Sciences & Conservation Engineering  
HSC 508 Lifelong Learning in Local ContextHSC 509 Heritage Utilization & Community Engagement  
HSC 510 Micro-Climate Control in Museum  
HSC 515 Education, Hospitality & Media in Museum  
HSC 516 Display & Exhibition Design

## **B. Professional Master in Museum Management: 36 credits (24 credits of Diploma + 12 credits)**

### **1. Core Courses:**

***Compulsory subjects:*** 10 credits

- Type of course: Zemi

HSC 519 Zemi 3

HSC 520 Zemi 4

- Type of course: Project

HSC 521 Project

### **2. Elective Courses**

***Elective subjects:*** 2 credits

- Type of course: Seminar

HSC 501 Introduction to Heritage Science

HSC 502 Conservation Fundamentals & Practice

HSC 503 Introduction Museum Management

HSC 504 Natural Sciences & Conservation Engineering

HSC 508 Lifelong Learning in Local Context

HSC 509 Heritage Utilization & Community Engagement

HSC 510 Micro-Climate Control in Museum

HSC 515 Education, Hospitality & Media in Museum

HSC 516 Display & Exhibition Design



# Thank You

## For more Information

Please email Prof. Sayed Hemeda:  
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## Contact Us

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