

# 2025 UST School Graduation Requirements

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## □ UST School Graduation Requirements

- Reflecting the characteristics of the school, its own graduation requirements are established that exceed the UST Common graduation Requirements in order to enhance the capabilities of graduates

### < UST Common graduation Requirements(Research Performance) >

DegreeType	Requirement
Doctoral/Integrated	- Publish at least one paper as the first author in an SCIE-level (including SSCI) journal.
Master's	- Publish at least one paper in a domestic or international professional journal (regardless of author order) or deliver an oral/poster presentation as the first author at an International Conference.

## 1 KICT School

### □ Civil & Environmental Engineering

·Applicability: From students admitted in the spring semester of 2013 onward	
Doctoral/Integrated	- Publish at least one paper as the first author in an SCIE-level (including SSCI) journal - Deliver at least one international academic presentation (oral) ※ Both detailed requirements must be met simultaneously
Master's	- Publish at least one paper in a domestic academic journal (listed journal) or an SCIE-level (including SSCI) journal (co-authorship accepted)
·Applicability: From students admitted in the spring semester of 2022 onward	
Doctoral/Integrated	- Publish at least one paper as the first author in an SCIE-level (including SSCI) journal - Deliver at least one international academic presentation (oral) ※ Both detailed requirements must be met simultaneously - For foreign students, submission of TOPIK Level 2 or above is required
Master's	- Publish at least one paper in a domestic academic journal (listed journal) or an SCIE-level (including SSCI) journal (co-authorship accepted) - For foreign students, submission of TOPIK Level 2 or above is required
·Applicability: From students admitted in the spring semester of 2025 onward	
Doctoral/Integrated	- Publish at least one paper as the first author in an SCIE-level (including SSCI) journal - Deliver at least one international academic presentation (oral) ※ Both detailed requirements must be met simultaneously - For foreign students, submission of TOPIK Level 2 or above is required
Master's	- Publish at least one paper in a domestic academic journal (listed journal, as main author) or in an international academic journal (Scopus or above, as main author) or in a foreign academic journal (SCI, SCIE) (for foreign journals, co-authorship is accepted) - For foreign students, submission of TOPIK Level 2 or above is required

## 2 KRIBB School

☐ Common(Regardless of Major)

·Applicability: For all students (regardless of admission period)	
Doctoral/Integrated	<p>The sum of the impact factors (IF) of research papers published in SCIE-level (including SSCI) journals as the first author (or equivalent) must be at least 6</p> <ul style="list-style-type: none"> <li>※ This may be raised depending on the major or the advisor</li> <li>※ However, if the student has published at least one SCIE-level (including SSCI) research paper as the first author, review articles may also be included in the graduation qualification evaluation</li> <li>※ For students admitted up to the first semester of 2015 who have applied for graduation review to the school faculty meeting, the required IF sum is at least 5</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one research paper in an SCIE-level (including SSCI) journal (co-authorship accepted, review articles excluded)</li> </ul>

## 3 KRISS School

☐ Precision Measurement

·Applicability: From students admitted from the spring semester of 2022 to the spring semester of 2025	
Doctoral/Integrated/Master's	<ul style="list-style-type: none"> <li>-Completion of the required major course: Advanced Mathematics*</li> <li>※ Exceptions shall be made for PhD and integrated program students who have completed the required course during their master's program</li> </ul>

## 4 KOPRI School

☐ Common(Regardless of Major)

·Applicability: For students admitted up to the Fall semester of 2018	
Doctoral/Integrated	<ul style="list-style-type: none"> <li>- Publish at least two research papers in an SCIE-level (including SSCI) journal (at least one must be as the first author)</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one research paper in an SCIE-level (including SSCI) journal or a KCI-listed research paper (co-authorship accepted)</li> </ul>
·Applicability: For students admitted from the spring semester of 2019 onward	
Doctoral/Integrated	<ul style="list-style-type: none"> <li>- Publish at least two research papers in an SCIE-level (including SSCI) journal (at least one must be as the first author)</li> <li>- Completion of the required major course:: Introduction of Polar Sciences</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one research paper in an SCIE-level (including SSCI) journal or a KCI-listed research paper (co-authorship accepted)</li> <li>- Completion of the required major course: Introduction of Polar Sciences</li> </ul>

## 5 KRISO School

### ☐ Ship and Ocean Engineering

·Applicability: From students admitted in the spring semester of 2019 onward

Doctoral/ Integrated/ Master's	- Completion of the required major course: Applied Mathematics
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## 6 KIST School

### ☐ Common(Regardless of Major)

·Applicability: From students admitted in the spring semester of 2018  
(retroactively applied for graduates from the Fall semester of 2024 onward)

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>- ① TOPIK I Level 2 or above(Applied from the Freshmen of the Spring 2013 onward)</li> <li>② TOPIK SPEAKING Level 2 or above</li> <li>③ TOPIK IBT Level 2 or above</li> <li>④ Complete the KIIP Level 2 or above or acquire 41 points or above on the pre-test</li> <li>⑤ Complete the Korean classes of the Beginner 2(2A, 2B) or above in King Sejong Korean Education</li> </ul> <p>Fullfill at least one of ①~⑤</p>
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### ☐ Division of Bio-Medical Science & Technology

·Applicability: From students admitted in the spring semester of 2019 onward

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least two papers as the first author in an SCIE-level (including SSCI) journal</li> <li>※ If not met, the thesis review committee and the departmental faculty meeting will comprehensively re-evaluate the candidate's research achievements before deciding on graduation</li> </ul>
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### ☐ Natural Product Applied Science

·Applicability: From students admitted in the spring semester of 2019 onward

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least two papers as the first author in an SCIE-level (including SSCI) journal</li> <li>※ If not met, the thesis review committee and the departmental faculty meeting will comprehensively re-evaluate the candidate's research achievements before deciding on graduation</li> </ul>
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## ☐ AI-Robotics

**·Applicability: From students admitted in the spring semester of 2022 onward**

(This also applies to current students admitted after the spring semester of 2018 who changed their major to AI-Robot.)

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>– Either publish at least two papers as the first author in an SCIE-level (including SSCI) journal, or publish at least one paper as the first author in an SCIE-level (including SSCI) journal and deliver at least one oral/poster presentation as the first author at an international conference.</li> <li>※ The international conference scope includes those ranked in the top 20 in each of the three subfields according to Google Scholar's top publications, as well as 7 selected prestigious international conferences (CVPR, ICRA, IROS, CHI, ACMMM, ICIP, EMBC).</li> </ul>
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## ☐ Nano & Information Technology

**·Applicability: From students admitted in the Fall semester of 2017 onward**

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>– Completion of the required major course: Introduction to Nano&amp;Information</li> </ul>
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**·Applicability: From students admitted in the spring semester of 2018 onward**

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>– Completion of the required major course: Introduction to Nano&amp;Information</li> <li>– Either publish at least two papers as the first author in an SCIE-level (including SSCI) journal, or publish at least one paper as the first author in an SCIE-level (including SSCI) journal and deliver at least one oral/poster presentation at an international conference.</li> <li>※ The international conference scope is as defined above.</li> <li>– Completion of the required basic NT-IT basic courses: one course for doctoral/master's programs and two courses for integrated programs.</li> </ul>
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## ☐ Division of Energy & Environment Technology

**Applicability: From students admitted in the Fall semester of 2017 onward**

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>– Completion of the required major course: Introduction to Energy and Environment</li> </ul>
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**·Applicability: From students admitted in the spring semester of 2018 onward**

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>– Completion of the required major course: Introduction to Energy and Environment</li> <li>– Publish at least two papers as the first author in an SCIE-level (including SSCI) journal</li> </ul>
Master's	<ul style="list-style-type: none"> <li>– Completion of the required major course: Introduction to Energy and Environment</li> </ul>

## ☐ Nanoscience and Technology

·Applicability: From students admitted in the spring semester of 2022 onward	
Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Completion of the required major course: Nano Technology <ul style="list-style-type: none"> <li>※ If a student admitted after Fall semester of 2017 changes the major to N Nanoscience and Technology, either 'Introduction to Nano&amp;Information Technology' or 'Nano Technology' must be completed</li> </ul> </li> <li>- Publish at least two papers as the first author in an SCIE-level (including SSCI) journal</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Completion of the required major course: Nano Technology <ul style="list-style-type: none"> <li>※ If a student admitted after Fall semester of 2017 changes the major to N Nanoscience and Technology, either 'Introduction to Nano&amp;Information Technology' or 'Nano Technology' must be completed</li> </ul> </li> </ul>

## 7 KFRI School

## ☐ Food Biotechnology

·Applicability: From students admitted in the spring semester of 2011 onward	
Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least two papers in an SCIE-level (including SSCI) journal (with at least one as the first author)</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one paper in an SCIE-level (including SSCI) journal (co-authorship accepted)</li> </ul>
·Applicability: From students admitted in the spring semester of 2019 onward	
Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least three papers in an SCIE-level (including SSCI) journal (with at least two as the first author)</li> <li>- Completion of the core required course in the major: Special Topics in Food Science</li> <li>- Completion of the required major course: Advanced Food Science <ul style="list-style-type: none"> <li>※ Exceptions shall be made for PhD and integrated program students who have completed the required course during their master's program</li> </ul> </li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one paper in an SCIE-level (including SSCI) journal (co-authorship accepted) or deliver at least one presentation as the first author at an international conference (both oral and poster presentations accepted)</li> <li>- Completion of the required major course: Advanced Food Science <ul style="list-style-type: none"> <li>※ Exceptions shall be made for PhD and integrated program students who have completed the required course during their master's program</li> </ul> </li> </ul>

## 8 KIER School

### ☐ Energy Engineering

·Applicability: From students admitted in the spring semester of 2022 onward

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>- Completion of the required major course: Introduction to Energy Engineering</li> <li>※ For students admitted after 2019 who are majoring in Renewable Energy Engineering, if they have not taken Renewable Energy Engineering, they must complete Introduction to Energy Engineering as a substitute course</li> </ul>
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·Applicability: From students admitted in the spring semester of 2025 onward

Common	<ul style="list-style-type: none"> <li>- Completion of the required major course: Introduction to Energy Engineering</li> <li>※ For students admitted after 2019 who are majoring in Renewable Energy Engineering, if they have not taken Renewable Energy Engineering, they must complete Introduction to Energy Engineering as a substitute course</li> </ul>
Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least two papers in an SCIE-level (including SSCI) journal.</li> <li>- For foreign students, submission of TOPIK Level 2 or above is required.</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one paper in a KCI-level academic journal</li> </ul>

## 9 KINS School

### ☐ Nuclear and Radiation Safety

·Applicability: From students admitted in the spring semester of 2011 onward

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish one research paper in an SCIE-level (including SSCI) journal (as first author or corresponding author).</li> <li>- Publish two research papers in domestic listed or candidate journals (as first author or corresponding author).</li> <li>※ The candidate must either satisfy both of these requirements or achieve a double count of the first requirement</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one research paper in an SCIE-level (including SSCI) journal (as first author or corresponding author).</li> <li>- Publish at least two research papers in domestic listed or candidate journals (including at least one as first author or corresponding author)</li> <li>※ At least one of the above detailed requirements must be met</li> </ul>

## 10 KIMS School

### ☐ Advanced Materials Engineering

·Applicability: From students admitted in the spring semester of 2022 onward

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>- Completion of the required major course: Advanced Material Science and Engineering</li> </ul>
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## 11 KERI School

☐ Electric Energy & Materials Engineering

·Applicability: From students admitted in the spring semester of 2022 onward

Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least two papers as the first author in an SCIE-level (including SSCI) journal</li> <li>- For foreign students, submission of TOPIK Level 2 or above is required</li> </ul>
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## 12 KIGAM School

☐ Common(Regardless of Major)

·Applicability: From students admitted in the spring semester of 2025 onward

Foreigner	<ul style="list-style-type: none"> <li>- Acquire at least one of ①~③</li> <li>① TOPIK I Level 2 or above</li> <li>② TOPIK SPEAKING Level 2 or above</li> <li>③ TOPIK IBT Level 2 or above</li> </ul>
Doctoral/ Integrated	<ul style="list-style-type: none"> <li>- Publish at least two papers as the first author in an SCIE-level (including SSCI) journal</li> </ul>
Master's	<ul style="list-style-type: none"> <li>- Publish at least one paper as the first author in a domestic or international professional journal (domestic publications must be KCI-level or above)</li> </ul>

## 13 KIOM School

☐ Korean Convergence Medical Science

·Applicability: From students admitted in the spring semester of 2022 onward

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>- Completion of the required major course: Introduction to Korean Medicine</li> </ul>
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·Applicability: From students admitted in the spring semester of 2025 onward

Doctoral/ Integrated/ Master's	<ul style="list-style-type: none"> <li>- Completion of the required major course: Introduction to Korean Medicine</li> <li>- Participate in at least one school-organized academic event (for Master's: poster presentation; for Doctoral: oral presentation)</li> </ul>
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## 14 KARI School

☐ Aerospace System Engineering

·Applicability: From students admitted in the Fall semester of 2022 onward

Doctoral/ Integrated/ Master's	- Completion of the required major course: Advanced Aerospace System Engineering 1
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## 15 KRICT School

☐ Common(Regardless of Major)

·Applicability: From students admitted in the Fall semester of 2017 onward

Doctoral/ Integrated	- Publish at least two papers in an SCIE-level (including SSCI) journal (with at least one as the first author)
Master's	- Publish at least one paper in an SCIE-level (including SSCI) journal. ※ Conference presentations are not accepted.

## 16 KIMM School

☐ Common(Regardless of Major)

·Applicability: From students admitted in the spring semester of 2025 onward

Doctoral/ Integrated	- For foreign students, submission of TOPIK Level 2 or above is required
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