***Please follow the checklist of your entry year (excluding IEC) or the year of your transfer/major change.
If you have taken a leave of absence for a year or more, please follow the checklist of your rematriculated year.

SUNY Korea TSM
Advising CHECKLIST
From 2018 spring semester

Student Name _____
ID: _____ GPA: _____
DATE: _____ Advisor: _____

A. Natural Science courses
One of the following sequences:
_____ **a.** PHY131 and PHY 132, 134 Classical Physics I, II and labs
_____ **b.** BIO 201 the Living World, BIO (202 or 203) and BIO 204
_____ **c.** BIO 201 Principles of Biology: Organisms to Ecosystems
***And one of the following:
_____ GEO 101 Environmental Geology
_____ MAR 104 Oceanography
_____ ATM 102 Weather and Climate
_____ ENS 101 Prospects for Planet Earth

B. Mathematics courses
_____ AMS 151 Applied Calculus I
_____ AMS 161 Applied Calculus II
Or the following alternate calculus course sequences may be
substituted [MAT 123, MAT 126, MAT 127] OR [MAT 131, MAT 132]
OR [MAT 141, MAT 142] OR [MAT 171]

C. TSM Requirements
*Completion of the major requires approximately **_79_** out
120 accumulated credits

Any course taken to fulfill the required courses cannot
be used to satisfy the elective area.

ALL COURSES MUST BE TAKEN FOR LETTER GRADES
Eleven required courses:

_____ EST 202 Intro to Science, Tech and Society Studies
_____ EST 304 Communication for Engineers and Scientists
_____ EST 305 Applications Software for Information Mgmt
(Need to take CSE 101)
_____ EST 326 Management for Engineers
_____ EST 327 Marketing for Engineers
_____ EST 331 Professional Ethics and Intellectual Property
_____ EST 391 Technology Assessment
_____ EST 392 Engineering and Managerial Economics
_____ EST 393 Project Management
_____ EST 440 Interdisciplinary Research Methods
_____ EST 441 Interdisciplinary Senior Project
*AMS 161, EST 391, 440, 441 must be taken in sequence

Must take Three Elective courses chosen from the
following:

_____ EST 204 Modern Digital Tech Infrastructure
_____ EST 205 Introduction to Tech Design
_____ EST 207 Interaction Design
_____ EST 208 Virtual Distance Foundations: Collaborating
Across Boundaries in the Digital Age
_____ EST 240 Visual Rhetoric and Information Technology
_____ EST 291 Energy, Environment and People
_____ EST 310 Design of Computer Games
_____ EST 320 Communication Technology Systems(SBU
online)
_____ EST 323 Human Computer Interaction
_____ EST 325 Tech in the Workplace(SBU online)

_____ EST 341 Waste Treatment Technologies
_____ EST 488 Internship in TSM(SBU)
_____ EST 475 Undergraduate Teaching Practicum
_____ EST 499 Research Technology and Society
*Other 300/400 level courses in the area of specialization are
allowed upon the approval of the TSM advisor

C. Study in Related Areas - Specialization
A cluster of seven related courses, totaling at least 21
credits, in one area of natural science, engineering,
applied science, or environmental
studies from a single department or program. At least
three courses, totaling at least nine credits, must be at the
300 or 400 level.

■ CS/IS/ICT for Sustainable Development
(7 courses = 5 ICT courses + 2 CSE courses, at least 3
courses, totaling 9 credits, must be at the 300 or 400 level)

*List of 5 ICT courses
_____ EST 230 ICT for Sustainable Development (FA & SP)
_____ EST 320 Communication Technology Systems (SP)
_____ EST 364 How to Build a Startup (FA)
_____ EST 371 Data Science Management (FA)
_____ EST 372 The Mobile Revolution in Development (SP)

■ CS Specialization
(7 CSE courses - at least 3 courses, totaling 9 credits,
must be at the 300 or 400 level)
_____ CSE 101 Intro. to Computational & Algorithmic Thinking
_____ CSE _____
_____ CSE _____
_____ CSE _____
_____ CSE 300 or 400 level _____
_____ CSE 300 or 400 level _____
_____ CSE 300 or 400 level _____

■ AMS Specialization
(7 AMS courses)
_____ AMS 210 Applied Linear Algebra
_____ AMS 261 Applied Calculus III
_____ AMS 301 Finite Mathematical Structures
_____ AMS 310 Survey of Probability and Statistics
_____ AMS 315 Data Analysis
_____ AMS 200, 300 or 400 level _____
_____ AMS 200, 300 or 400 level _____

Graduate & Department Administration
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Please schedule an appointment either visiting
A309 office or emailing