***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

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 192 Introduction to Modern Engineering
_____ EST 194 Patterns of Problem Solving
_____ EST 202 Intro to Science, Tech and Society Studies
_____ EST 305 Applications Software for Information Mgmt
_____ EST 326 Management for Engineers
_____ EST 327 Marketing for Engineers
_____ EST 391 Technology Assessment
_____ EST 392 Engineering and Managerial Economics
_____ EST 393 Project Management
_____ EST 440 Interdisciplinary Research Methods
_____ EST 441 Interdisciplinary Senior Project

If 192 & 194 are waived then you must take 304 & 320
***AMS 161, EST 391, 440, 441 must be taken in sequence**

Must take Three Elective courses chosen from the following:

____ EST 200 Cultural Technologies and Society
____ 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 304 Communication for Engineers and Scientists
____ EST 306 Cloud Computing Applications
____ EST 310 Design of Computer Games
____ EST 323 Human Computer Interaction
____ EST 325 Tech in the Workplace
____ EST 330 Natural Disasters: Societal Impacts and Technological Solutions
____ EST 331 Professional Ethics and Intellectual Property
____ EST 488 Internship in TSM(SBU)
____ EST 475 Undergraduate Teaching Practicum or 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
____ EST 320 Communication Technology Systems
____ EST 364 How to Build a Startup
EST 371 Data Science Management
____ EST 372 The Mobile Revolution in Development

■ CS Specialization

(7 CSE courses - at least 3 courses, totaling 9 credits, must be at the 300 or 400 level)

____ CSE_____
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 _____

Department of Technology & Society
Soyeong Kwon | soyeong.kwon@sunykorea.ac.kr
Please schedule an appointment either visiting A309 office or emailing