SUNY Korea TSM major
Academic Advising checklist

(*Please check prerequisites for each course)

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

*Completion of the major requires approximately **_79_**
 out 120 accumulated credits

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

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]

TSM Requirements
**Any course taken to fulfill the required courses
cannot be used to satisfy the elective area.**
Required courses(11)

All from EST 194 - EST 441
  _____ EST 194 Decision-making
  _____ EST 202 Intro to Science, Tech and Society Studies
  _____ EST 304 Communication for Engineers and Scientists
  _____ EST 331 Engineering Ethics
  _____ EST 391 Technology Assessment
  _____ EST 392 Engineering and Managerial Economics
  _____ EST 393 Project Management
  _____ EST 440 Interdisciplinary Research Methods
  _____ EST 441 Interdisciplinary Senior Project

One skills-information course:
  _____ EST 240 Visual Rhetoric and Information Technology
  _____ EST 291 Energy, Environment and People
  _____ EST 305 Applications Software for Information Mgmt.
  _____ EST 325 Technology in the Workplace
  _____ EST 326 Management for Engineers
  _____ EST 339 Benevolent Computing
  _____ EST 364 How to Build a Startup

One design course:
  _____ EST 205 Introduction to Tech Design
  _____ EST 207 Interaction Design
  _____ EST 209 Introduction to Italian Design:
   Theory and Practice
  _____ EST 310 Design of Computer Games
  _____ EST 323 Human-Computer Interaction

Must take Three(3) Elective courses chosen from the following:
(at least 1 course should be from 300-400 level)

  _____ EST 203 Technology in the City
  _____ EST 205 Introduction to Tech Design
  _____ EST 207 Interaction Design
  _____ EST 209 Intro. to Italian Design: Theory and Practice
  _____ EST 240 Visual Rhetoric and Information Technology
  _____ EST 280 Fundamentals of Industrial Engineering
  _____ EST 291 Energy, Environment and People
  _____ EST 304 Communication for Engineers and Scientists
  _____ EST 305 Applications Software for Info. Management
  _____ EST 310 Design of Computer Games
  _____ EST 320 Communication Tech. Systems
  _____ EST 323 Human Computer Interaction
  _____ EST 325 Tech in the Workplace
  _____ EST 327 Marketing for Engineers
  _____ EST 339 Benevolent Computing
  _____ EST 364 How to Build a Startup
  _____ EST 475 Undergraduate Teaching Practicum (3-credits)
  _____ EST 488 Internship in TSM(3-credits)
  _____ EST 499 Research Technology and Society(3-credits)

*Other 300/400 level courses in the area of
 specialization are allowed upon the approval of the
 TSM advisor.

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.

■ ICT For Development Specialization
(7 ICT required courses at least 3 courses,
totaling 9 credits, must be at the 300 or 400
level)

■ CS Specialization
Students specializing in Computer Science must take the following four courses

_____ CSE 101 Computer Science Principles
_____ CSE 114 Introduction to Object-Oriented
                Programming
_____ CSE 214 Data Structures
_____ ISE 218 Fundamentals of Information
                Technology

Students must also select three courses from the following list:
_____ ISE 305 Database Design and Practice
_____ CSE 310 Computer Networks
         OR ISE 316 Introduction to Networking
_____ CSE 337 Scripting Language
_____ CSE 373 Analysis of Algorithms
_____ Up to two courses from CSE 390-CSE
             391-CSE 392 Special Topics

■ AMS Specialization
(7 AMS courses)
_____ AMS 151 Applied Calculus I
_____ AMS 161 Applied Calculus II
_____ 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

==All courses taken to satisfy requirements must be taken for a letter grade. A grade of C or higher is required in all.==

Department of Technology & Society (A309 office)
Minji Kang | minji.kang@sunykorea.ac.kr
*Academic Advising walk-in hours:
Tuesday, Wednesday, Thursday / 2:00 PM-5:00 PM