For student who entered from / after Fall 2019

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]

1. 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

*AMS 161, EST 391, 440, 441 must be taken in sequence

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

2. Electives

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)

*At most 3 credits of the 3 electives can be counted from the following courses: EST 475, EST 488 and EST 499.
*Only two, 200-level courses may be used in the major elective category unless permission is received from the department.

3. 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.
*Please refer to the department website

■ ICT For Development Specialization

* Advisory course choices:
EST 230 (SUNYK), CSE 114, EST 205, EST 320, EST 371 or 372 (SUNYK), ESE 123, EST 310

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■ CS Specialization

* Advisory course choices:
CSE 101, CSE 114, CSE 214, ISE 218 (SBU),
ISE 305 (SBU), CSE 310, CSE 373

■ AMS Specialization

* Advisory course choices:
AMS 210, AMS 261, AMS 301, AMS 310,
AMS 315, 2 additional AMS courses

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

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