

**CURRICULA FOR MAJOR PROGRAMS IN INDUSTRIAL ENGINEERING (ÇİFT ANADAL PROGRAMLARI)**  
**(For Non-IE Students Starting the Programs in the Academic Year 2025/2026 Fall Semester)**

**BF:** Banking and Finance, **CE:** Civil Engineering, **CENG:** Computer Engineering, **ECON:** Economics, **EE:** Electrical and Electronics Engineering, **INTT:** International Trade and Finance  
**MAN:** Management, **MATH:** Mathematics, **ME:** Mechanical Engineering, **MECE:** Mechatronics Engineering, **MIS:** Management Information Systems, **SENG:** Software Engineering

**ID (Credit / ECTS)**

Course Name	BF	CE	CENG	ECON	EE	INTT	MAN	MATH	ME	MECE	SENG
IE 117 (3/5) Computational Programming Tools in IE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 202 (4/7) Work Study and Ergonomics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 218 (4/7) Computer Applications in IE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 227 (4/7) Introduction to Probability	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 228 (4/6) Engineering Statistics					✓			✓	✓	✓	
IE 232 (4/6) Operations Research I - Modeling	✓	✓	✓	✓		✓	✓		✓		✓
IE 241 (3/5) Cost Analysis in Engineering		✓	✓		✓			✓	✓	✓	✓
IE 300 (0/6) Summer Training II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 327 (4/6) System Simulation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 333 (4/6) Operations Research II - Deterministic Problems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 334 (4/7) Operations Research III - Stochastic Problems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 341 (3/5) Engineering Economic Analysis			✓	✓		✓		✓			✓
IE 364 (3/6) Production Information Systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 365 (4/6) Manufacturing and Service Systems Planning I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 407 (3/7) Systems' Analysis	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 408 (3/8) Systems' Design and Implementation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IE 446 (3/5) Project Engineering Management	✓		✓	✓	✓	✓	✓	✓	✓		✓
IE 464 (3/4) Law for Engineers	✓	✓	✓		✓			✓	✓	✓	✓
IE 499 (2/3) Seminar in IE Practice	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CHEM 103 (4/5) Chemistry I	✓		✓	✓	✓	✓	✓	✓			✓
MATH 205 (3/4) Basic Linear Algebra	✓			✓		✓	✓				
MATH 254 (4/4) Introduction to Differential Equations	✓			✓		✓	✓				✓
ME 113 (3/6) Computer Aided Eng. Drawing I	✓		✓	✓	✓	✓	✓	✓			✓
ME 210 (4/5) Manufacturing Processes	✓	✓	✓	✓	✓	✓	✓	✓			✓
PHYS 131 (4/6) Physics I	✓			✓		✓	✓				
ELECTIVE1 (4/7) Restricted IE Elective 1 (*)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ELECTIVE2 (4/7) Restricted IE Elective 2 (**)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ELECTIVE3 (3/5) IE Elective 1 (***)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ELECTIVE4 (3/5) IE Elective 2 (***)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ELECTIVES (3/5) IE Elective 3 (***)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ELECTIVE6 (3/4) Restricted Management Elective 1 (****)	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
ELECTIVE 7(3/4) Restricted Management Elective 2 (****)	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Total Credits / Total ECTS:	97 / 163	82 / 143	92 / 159	97 / 164	85 / 147	97 / 164	88 / 151	88 / 152	82 / 144	71 / 126	96 / 163

**Restricted IE Electives:** IE 302 Facilities Design and Location, IE 326 Quality Engineering, IE 366 Manufacturing and Service Systems Planning II

**Restricted Management Electives Pool 1:** MAN 404 International Business, MAN 431 Human in Organizations

**Restricted Management Electives Pool 2:** MAN 401 Strategic Management, MAN 433 Fundamentals of Business and Management

(\*) Any course from the Restricted IE Electives

(\*\*) Any course from Restricted IE Electives

(\*\*\*) Any course from the IE Electives or the Restricted IE Electives

(\*\*\*\*) Any course from Restricted Management Electives Pool 1

(\*\*\*\*\*) Any course from Restricted Management Electives Pool 2