

MÜHENDİSLİK FAKÜLTESİ
BÖLÜMLER ARASI ÇİFT ANADAL PROGRAMI

1-MAKİNE MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI

ELEKTRİK-ELEKTORNİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| <u>KODU</u> | <u>DERSİN ADI</u> | <u>ECTS</u> |
|--------------|-----------------------------------|-------------|
| ME 113 | Engineering Drawing - I | 4 |
| ME 108 | Statics | 4 |
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 203 | Manufacturing Processes - I | 5 |
| ME 215 | Engineering Materials - I | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 204 | Thermodynamics - I | 5 |
| ME 206 | Heat Transfer | 5 |
| ME 208 | Dynamics | 5 |
| ME 216 | Engineering Materials - II | 5 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 307 | Machine Elements - I | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 371 | Fluid Mechanics - I | 5 |
| ME 302 | Dynamics of Machinery | 5 |
| ME 308 | Machine Elements - II | 5 |
| ME 352 | Principles of Energy Conversion | 5 |
| ME 372 | Fluid Mechanics – II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| | Technical Elective Course5 | 4 |
| TOTAL | | 117 |

EŞDEĞER DERSLER

| MAKİNE MÜHENDİSLİĞİ DERSİ | | ELEKTRİK ve ELEKTRONİK MÜH. DERSİ | |
|----------------------------------|----------------------------|--|---|
| EP 105 | General Physics - I | EP 103 EP 107 | General Physics - I + General Physics - I Lab. |
| FE 103 | General Chemistry - I | FE 101 | General Chemistry - I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English - I |
| MATH 151 | Calculus - I | MATH 151 | Calculus - I |
| ME 113 | Engineering Drawing - I | ME 101 | Engineering Graphics |
| TDP 101 | Toplumsal Duy. Projesi - I | TDP 101 | Toplumsal Duy. Projesi -I |
| TURK 101 | Turkish - I | TURK 100 | Turkish - I |
| | Common Elective | | Common Elective |
| EP 106 | General Physics - II | EP 104 | General Physics - II |

| | | | |
|----------|------------------------------|----------|--------------------------------|
| | | EP 108 | General Physics - II Lab. |
| LENG 102 | Freshman English - II | LENG 102 | Freshman English - II |
| MATH 152 | Calculus - II | MATH 152 | Calculus - II |
| ME 103 | Engineering Ethics | EEE 100 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi - II |
| TURK 102 | Turkish - II | TURK 102 | Turkish - II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 100 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | EEE 186 | Applies Linear Algebra |
| ME 211 | Int. to A/C, D/C circuits | EEE 201 | Circuit Analysis |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 200 | Prin. Atatürk, Hist of Turk. |
| MATH 256 | Differential Equations | EEE 285 | Applied Differential Equations |
| ME 204 | Thermodynamics - I | ME 204 | Thermodynamics - I |
| ME 208 | Dynamics | ME 208 | Dynamics |
| ME 240 | Computation for Mech. Eng. | EEE 145 | Programming in C |
| ME 299 | Summer Practice | EEE 299 | Summer Practice |
| ME 399 | Summer Practice | EEE 399 | Summer Practice |
| ME 499 | Graduation Project | EEE 499 | Graduation Project |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| <u>KODU</u> | <u>DERSİN ADI</u> | <u>ECTS</u> |
|--------------|------------------------------------|-------------|
| EP 106 | General Physics – II | 5 |
| ME 108 | Statics | 4 |
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 203 | Manufacturing Processes - I | 5 |
| ME 211 | Introduction to D/C - A/C Circuits | 4 |
| ME 215 | Engineering Materials - I | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 208 | Dynamics | 5 |
| ME 216 | Engineering Materials - II | 5 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 307 | Machine Elements - I | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 302 | Dynamics of Machinery | |
| ME 308 | Machine Elements - II | 5 |
| ME 352 | Principles of Energy Conversion | |
| ME 372 | Fluid Mechanics - II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| ME 399 | Summer Practise | 2 |
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| | Technical Elective Course5 | 4 |
| | Technical Elective Course6 | 4 |
| TOTAL | | 113 |

| MAKİNE MÜHENDİSLİĞİ DERSİ | | GIDA MÜHENDİSLİĞİ DERSİ | |
|---------------------------|------------------------------|-------------------------|---|
| FE 103 | General Chemistry - I | FE 111 | General Chemistry I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English I |
| EP 105 | General Physics - I | EP 116 EP 120 | General Physics I + General Physics Laboratory |
| MATH 151 | Calculus - I | MATH 151 | Calculus I |
| | Common Elective | | Common Elective |
| ME 113 | Engineering Drawing - I | ME 101 | Engineering Graphics |
| TDP 101 | Toplumsal Duy. Projesi - I | TDP 101 | Toplumsal Duy. Projesi - I |
| TURK 101 | Turkish - I | TURK 101 | Turkish I |
| LENG 102 | Freshman English - II | LENG 102 | Freshman English II |
| MATH 152 | Calculus - II | MATH 152 | Calculus II |
| ME 103 | Engineering Ethics | FE 113 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi -II |
| TURK 102 | Turkish - II | TURK 102 | Turkish - II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 201 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | FE 356 | App. Mathematics in Food Eng |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 202 | Prin. Atatürk, Hist of Turk. |
| MATH 256 | Differential Aquations | MATH | 256 Differential Equations |
| ME 204 | Thermodynamics - I | FE 224 | Engineering Thermodynamics |
| ME 240 | Computation for Mech. Eng. | EEE 241 | Computer Programming |
| ME 299 | Summer Practice | FE 299 | Summer Practice |
| ME 371 | Fluid Mechanics - I | FE 222 | Fluid Mechanics. |
| ME 304 | Heat Transfer | FE 321 | Heat Transfer |
| ME 499 | Graduation Project | FE 499 | Graduation Project |

İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| KODU | DERSİN ADI | ECTS |
|--------|------------------------------------|------|
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 203 | Manufacturing Processes - I | 5 |
| ME 206 | Heat Transfer | 5 |
| ME 211 | Introduction to D/C - A/C Circuits | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 204 | Thermodynamics - I | 5 |
| ME 299 | Summer Practise | 2 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 307 | Machine Elements - I | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 302 | Dynamics of Machinery | 5 |
| ME 308 | Machine Elements - II | 5 |
| ME 352 | Principles of Energy Conversion | 5 |
| ME 372 | Fluid Mechanics - II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| ME 399 | Summer Practice | 2 |
| ME 499 | Graduation Project | 4 |

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|--|----------------------------|-----|
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| | Technical Elective Course5 | 4 |
| | Technical Elective Course6 | 4 |
| | TOTAL | 106 |

EŞDEĞER DERSLER

| <u>MAKİNE MÜHENDİSLİĞİ DERSİ</u> | | <u>İNŞAAT MÜHENDİSLİĞİ DERSİ</u> | |
|----------------------------------|------------------------------|----------------------------------|------------------------------|
| EP 105 | General Physics - I | EP 105 | General Physics - I |
| FE 103 | General Chemistry - I | FE 103 | General Chemistry - I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English - I |
| MATH 151 | Calculus - I | MATH 151 | Calculus - I |
| ME 113 | Engineering Drawing - I | CE 101 | Civil Engineering Drawing |
| TDP 101 | Toplumsal Duy. Projesi - I | TDP 101 | Toplumsal Duy. Projesi - I |
| TURK 101 | Turkish - I | TURK 101 | Turkish - I |
| | Common Elective | | Common Elective |
| EP 106 | General Physics - II | EP 106 | General Physics - II |
| LENG 102 | Freshman English - II | LENG 102 | Freshman English - II |
| MATH 152 | Calculus -II | MATH 152 | Calculus - II |
| ME 108 | Statics | CE 122 | Statics |
| ME 103 | Engineering Ethics | CE 100 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi - II |
| TURK 102 | Turkish - II | TURK 102 | Turkish - II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 200 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | MATH 255 | Linear Algebra |
| ME 215 | Engineering Materials - I | CE 223 | Solid Mechanics |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 201 | Prin. Atatürk, Hist of Turk. |
| MATH 256 | Differential Aquations | MATH | 256 Differential Equations |
| ME 208 | Dynamics | CE 222 | Dynamics |
| ME 216 | Engineering Materials - II | CE 241 | Material Science |
| ME 240 | Computation for Mech. Eng. | CE 209 | Computation for Civ.Eng. |
| ME 371 | Fluid Mechanics - I | CE 272 | Fluid Mechanics. |

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| <u>KODU</u> | <u>DERSİN ADI</u> | <u>ECTS</u> |
|-------------|----------------------------|-------------|
| ME 108 | Statics | 4 |
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 203 | Manufacturing Processes | 5 |
| ME 215 | Engineering Materials - I | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 204 | Thermodynamics - I | 5 |
| ME 206 | Heat Transfer | 5 |
| ME 208 | Dynamics | 5 |
| ME 216 | Engineering Materials - II | 5 |

| | | |
|--------|-----------------------------------|-----|
| ME 299 | Summer Practise – II | 2 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 307 | Machine Elements - I | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 371 | Fluid Mechanics - I | 5 |
| ME 302 | Dynamics of Machinery | 5 |
| ME 308 | Machine Elements - II | 5 |
| ME 352 | Principles of Energy Conversion | 5 |
| ME 372 | Fluid Mechanics - II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| | Technical Elective Course5 | 4 |
| | Technical Elective Course6 | 4 |
| TOTAL | | 119 |

EŞDEĞER DERSLER

| <u>MAKİNE MÜHENDİSLİĞİ DERSİ</u> | | <u>FİZİK MÜHENDİSLİĞİ DERSİ</u> | |
|----------------------------------|------------------------------|---------------------------------|----------------------------------|
| EP 105 | General Physics - I | EP 111 | Mechanics |
| | | EP 143 | Heat |
| | | EP 135 | Gen. Physics Lab. - I |
| FE 103 | General Chemistry - I | FE 103 | General Chemistry - I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English I |
| MATH 151 | Calculus - I | MATH 151 | Calculus - I |
| ME 113 | Engineering Drawing - I | ME 101 | Engineering Graphics |
| TDP 101 | Toplumsal Duy. Projesi - I | TDP 101 | Toplumsal Duy. Projesi - I |
| TURK 101 | Turkish - I | TURK 101 | Turkish - I |
| | Common Elective | | Common Elective |
| EP 106 | General Physics - II | EP 118 | Optics and Accoustics |
| | | EP 124 | Electricity and Magnetism |
| | | EP 136 | General Physics Lab – II |
| LENG 102 | Freshman English - II | LENG 102 | Freshman English - II |
| MATH 152 | Calculus - II | MATH 152 | Calculus - II |
| ME 103 | Engineering Ethics | EP 112 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi - II |
| TURK 102 | Turkish - II | TURK 102 | Turkish - II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 201 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | EP 220 | Maths for Eng. and Physicists-II |

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|----------|------------------------------|----------|---------------------------------|
| ME 211 | Int. to D/C and A/C circuits | EP 215 | Circuit Analysis |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 202 | Prin. Atatürk, Hist of Turk. |
| MATH 256 | Differential Equations | EP 219 | Maths for Eng. and Physicists-I |
| ME 240 | Computation for Mech. Eng. | EP 241 | Computer Programming |
| ME 399 | Summer Practice | EP 399 | Summer Practice |
| ME 499 | Graduation Project | EP 499 | Graduation Project. |

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| <u>KODU</u> | <u>DERSİN ADI</u> | <u>ECTS</u> |
|-------------|------------------------------------|-------------|
| ME 108 | Statics | 4 |
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 211 | Introduction to D/C - A/C Circuits | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 204 | Thermodynamics - I | 5 |
| ME 206 | Heat Transfer | 5 |
| ME 208 | Dynamics | 5 |
| ME 299 | Summer Practice | 2 |
| ME 216 | Engineering Materials - II | 5 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 307 | Machine Elements - I | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 371 | Fluid Mechanics - I | 5 |
| ME 302 | Dynamics of Machinery | 5 |
| ME 308 | Machine Elements - II | 5 |
| ME 352 | Principles of Energy Conversion | 5 |
| ME 372 | Fluid Mechanics - II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| | Technical Elective Course5 | 4 |
| | Technical Elective Course6 | 4 |
| TOTAL | | 114 |

EŞDEĞER DERSLER

| MAKİNE MÜHENDİSLİĞİ DERSİ | | ENDÜSTRİ MÜHENDİSLİĞİ DERSİ | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| EP 105 | General Physics - I | EP 105 | General Physics - I |
| FE 103 | General Chemistry - I | FE 101 | General Chemistry - I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English - I |
| MATH 151 | Calculus - I | MATH 151 | Calculus - I |
| ME 113 | Engineering Drawing - I | ME 101 | Engineering Graphics |
| TDP 101 | Toplumsal Duy. Projesi - II | TDP 101 | Toplumsal - I Duy. Projesi |
| TURK 101 | Turkish -I | TURK 101 | Turkish - I |
| | Common Elective | | Common Elective |
| EP 106 | General Physics - II | EP 106 | General Physics - II |

| | | | |
|----------|------------------------------|------------------|---|
| LENG 102 | Freshman English - II | LENG 102 | Freshman English -II |
| MATH 152 | Calculus - II | MATH 152 | Calculus - II |
| ME 103 | Engineering Ethics | IE 143 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi - II |
| TURK 102 | Turkish II | TURK 102 | Turkish II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 201 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | MATH 255 | Linear Algebra |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 202 | Prin. Atatürk, Hist of Turk. |
| ME 203 | Manufacturing Processes | IE 201 | Int. to Manufacturing Processes |
| ME 215 | Engineering Materials - I | ME 215 | Engineering Materials - I |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 202 | Prin. Atatürk, Hist of Turk. |
| MATH 256 | Differential Equations | MATH256 | 256 Differential Equations |
| ME 240 | Computation for Mech. Eng. | IE 141 IE 142 | Computer Programming - I + Computer Programming - II |
| ME 399 | Summer Practice | IE 399 | Summer Practice |
| ME 499 | Graduation Project | IE 499 | Graduation Project. |
| ME 400 | | IE 400 | |

TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| <u>KODU</u> | <u>DERSİN ADI</u> | <u>ECTS</u> |
|-------------|------------------------------------|-------------|
| ME 108 | Statics | 4 |
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 203 | Manufacturing Processes - I | 5 |
| ME 206 | Heat Transfer | 5 |
| ME 211 | Introduction to D/C - A/C Circuits | 4 |
| ME 215 | Engineering Materials - I | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 204 | Thermodynamics - I | 5 |
| ME 208 | Dynamics | 5 |
| ME 216 | Engineering Materials - II | 5 |
| ME 299 | Summer Practise | 2 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 302 | Dynamics of Machinery | 5 |
| ME 308 | Machine Elements - II | 5 |
| ME 352 | Principles of Energy Conversion | 5 |
| ME 371 | Fluid Mechanics – I | 5 |
| ME 372 | Fluid Mechanics - II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| ME 399 | Summer Practise | 2 |
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| | Technical Elective Course5 | 4 |
| | Technical Elective Course6 | 4 |
| TOTAL | | 120 |

EŞDEĞER DERSLER

| MAKİNE MÜHENDİSLİĞİ DERSİ | | TEKSTİL MÜHENDİSLİĞİ DERSİ | |
|---------------------------|------------------------------|----------------------------|------------------------------|
| EP 105 | General Physics - I | EP 105 | General Physics - I |
| FE 103 | General Chemistry - I | FE 101 | General Chemistry -I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English - I |
| MATH 151 | Calculus - I | MATH 151 | Calculus - I |
| ME 113 | Engineering Drawing - I | ME 101 | Engineering Graphics |
| TDP 101 | Toplumsal Duy. Projesi - I | TDP 101 | Toplumsal Duy. Projesi - I |
| | Common Elective | | Common Elective |
| TURK 101 | Turkish - I | TURK 101 | Turkish - I |
| EP 106 | General Physics - II | EP 106 | General Physics - II |
| LENG 102 | Freshman English - II | LENG 102 | Freshman English - II |
| MATH 152 | Calculus - II | MATH 152 | Calculus - II |
| ME 108 | Statics | TE 208 | Statics |
| ME 103 | Engineering Ethics | TE 131 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi-II |
| TURK 102 | Turkish - II | TURK 102 | Turkish - II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 201 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | MATH 255 | Linear Algebra |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 202 | Prin. Atatürk, Hist of Turk. |
| MATH 256 | Differential Aquations | MATH | 256 Differential Equations |
| ME 240 | Computation for Mech. Eng. | TE 241 | Computer Programming |
| ME 307 | Machine Elements - I | TE 321 | Machine Elements |
| ME 499 | Graduation Project | TE 398 | Graduation Project. |

OPTİK VE AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| KODU | DERSİN ADI | ECTS |
|----------|------------------------------|------|
| ME 108 | Statics | 4 |
| ME 113 | Engineering Drawing – I | 4 |
| ME 114 | Engineering Drawing - II | 4 |
| ME 199 | Engineering Orientation | 4 |
| ME 203 | Manufacturing Processes - I | 5 |
| ME 206 | Heat Transfer | 5 |
| ME 215 | Engineering Materials - I | 4 |
| ME 223 | Strength of Materials | 4 |
| ME 204 | Thermodynamics - I | 5 |
| ME 208 | Dynamics | 5 |
| ME 216 | Engineering Materials - II | 5 |
| MATH 256 | Differential Equations | 4 |
| ME 299 | Summer Practise - II | 2 |
| ME 301 | Mechanisms | 4 |
| ME 303 | Thermodynamics - II | 5 |
| ME 307 | Machine Elements - I | 5 |
| ME 333 | Manufacturing Processes - II | 5 |
| ME 371 | Fluid Mechanics - I | 5 |
| ME 302 | Dynamics of Machinery | 5 |
| ME 308 | Machine Elements - II | 5 |

| | | |
|--------|-----------------------------------|-----|
| ME 352 | Principles of Energy Conversion | 5 |
| ME 372 | Fluid Mechanics - II | 5 |
| ME 316 | Mechanical Engineering Laboratory | 4 |
| | Technical Elective Course1 | 4 |
| | Technical Elective Course2 | 4 |
| | Technical Elective Course3 | 4 |
| | Technical Elective Course4 | 4 |
| TOTAL | | 119 |

EŞDEĞER DERSLER

| MAKİNE MÜHENDİSLİĞİ DERSİ | | OPTİK - AKUSTİK MÜHENDİSLİĞİ DERSİ | |
|---------------------------|------------------------------|------------------------------------|--|
| EP 105 | General Physics - I | EP 109 | Physics - I |
| FE 103 | General Chemistry - I | FE 103 | General Chemistry - I |
| LENG 101 | Freshman English - I | LENG 101 | Freshman English - I |
| MATH 151 | Calculus - I | MATH 151 | Calculus - I |
| TDP 101 | Toplumsal Duy. Projesi - I | TDP 101 | Toplumsal Duy. Projesi - I |
| TURK 101 | Turkish - I | TURK 101 | Turkish - I |
| EP 106 | General Physics - II | EP 110 | Physics - II |
| | Common Elective | | Common Elective |
| LENG 102 | Freshman English - II | LENG 102 | Freshman English - II |
| MATH 152 | Calculus - II | MATH 152 | Calculus - II |
| ME 103 | Engineering Ethics | EP 112 | Engineering Ethics |
| TDP 102 | Toplumsal Duy. Projesi - II | TDP 102 | Toplumsal Duy. Projesi - II |
| TURK 102 | Turkish - II | TURK 102 | Turkish - II |
| HIST 200 | Prin. Atatürk, Hist of Turk. | HIST 201 | Prin. Atatürk, Hist of Turk. |
| MATH 255 | Linear Algebra | OPAC 209 | Math. Methods for Optics and Acc. |
| ME 211 | Int. to D/C and A/C circuits | OPAC 205 OPAC 212 OPAC 214 | Electrical Circuit Analysis Analog Electronics Electronics Laboratory. |
| HIST 201 | Prin. Atatürk, Hist of Turk. | HIST 202 | Prin. Atatürk, Hist of Turk. |
| ME 240 | Computation for Mech. Eng. | OPAC - 112 | Computer Programming |
| ME 399 | Summer Practice | OPAC 399 | Summer Practice |
| ME 499 | Graduation Project | OPAC 499 | Graduation Project. |

2. ELEKTRİK-ELEKTRONİK MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI MAKİNA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | | AKTS |
|---------|---|------|
| EEE201 | Circuit Analysis I | 7 |
| EEE261 | Electromagnetics I | 6 |
| EEE291 | Principles of Modern Physics and Elec.Materials | 5 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE210 | Microelectronic Devices | 4 |
| EEE242 | Computer Tools for Electrical Engineering | 6 |
| EEE262 | Electromagnetics II | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE311 | Electronic Devices | 7 |
| EEE321 | Electromechanical Energy Conversion I | 6 |

| | | |
|----------------|---------------------------------------|-----|
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| ME103 | EEE100 | ME240 | EEE145 | ME425 | EEE352 |
| EP105 | EP103 VE EP107 | Tech.Elective | EEE283 | INF398 | INF398 |
| FE103 | FE101 | MATH255 | EEE186 | ME400 | EEE400 |
| LENG101 | LENG101 | MATH256 | EEE285 | Non-Tech.Elective | Non-Tech.Elective |
| MATH151 | MATH151 | HIST201 | HIST201 | | |
| TDP101 | TDP101 | HIST202 | HIST202 | | |
| TURK101 | TURK101 | Tech.Elective | Tech.Elective | | |
| EP106 | EP104 VE EP108 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| ME108 | EEE190 | | | | |
| Common Elec. | Common Elec. | | | | |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | | AKTS |
|----------------|---|------|
| EEE201 | Circuit Analysis I | 7 |
| EEE261 | Electromagnetics I | 6 |
| EEE291 | Principles of Modern Physics and Elec.Materials | 5 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE210 | Microelectronic Devices | 4 |
| EEE242 | Computer Tools for Electrical Engineering | 6 |
| EEE262 | Electromagnetics II | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE311 | Electronic Devices | 7 |
| EEE321 | Electromechanical Energy Conversion I | 6 |
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |

| | | |
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| | | 117 |
|--|--|-----|

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| FE113 | EEE100 | EEE241 | EEE145 | FE403 | EEE352 |
| EP116 | EP103 | FE243 | EEE283 | INF398 | INF398 |
| EP120 | EP107 | MATH256 | EEE285 | FE356 | EEE186 |
| FE 111 | FE101 | HIST201 | HIST201 | FE400 | EEE400 |
| LENG101 | LENG101 | HIST202 | HIST202 | Non-Tech.Elective | Non-Tech.Elective |
| MATH151 | MATH151 | Tech.Elective | Tech.Elective | | |
| TDP101 | TDP101 | | | | |
| TURK101 | TURK101 | | | | |
| FE132 | EP104 VE EP108 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| ME101 | ME101 | | | | |
| Common Elec. | Common Elec. | | | | |

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | | AKTS |
|---------|---|------|
| EEE283 | Probability and Random Variables | 4 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE242 | Computer Tools for Electrical Engineering | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE321 | Electromechanical Energy Conversion I | 6 |
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| EEE352 | Automatic Control Systems | 6 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |
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2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|--------------|-------------------|--------------|----------------------------|--------------|
| ALDIĞI DERSLER | MUAF SAYILAN | ALDIĞI DERSLER | MUAF SAYILAN | ALDIĞI DERSLER | MUAF SAYILAN |

| | DERSLER | | DERSLER | | DERSLER |
|--------------|--------------|---------------|---------------|-------------------|-------------------|
| EP112 | EEE100 | EP241 | EEE145 | INF398 | INF398 |
| EP111 | EP103 | EP219 | EEE285 | EP325 | EEE311 |
| EP135 | EP107 | EP220 | EEE186 | EP466 | EEE210 |
| FE103 | FE101 | EP215 | EEE201 | EP400 | EEE400 |
| LENG101 | LENG101 | EP331 | EEE261 | Non-Tech.Elective | Non-Tech.Elective |
| MATH151 | MATH151 | EP332 | EEE262 | | |
| TDP101 | TDP101 | EP201 | EEE291 | | |
| TURK101 | TURK101 | HIST201 | HIST201 | | |
| EP124 | EP104 | HIST202 | HIST202 | | |
| EP136 | EP108 | Tech.Elective | Tech.Elective | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| ME101 | ME101 | | | | |
| Common Elec. | Common Elec. | | | | |

İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | | AKTS |
|---------|---|------|
| EEE201 | Circuit Analysis I | 7 |
| EEE261 | Electromagnetics I | 6 |
| EEE291 | Principles of Modern Physics and Elec.Materials | 5 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE210 | Microelectronic Devices | 4 |
| EEE262 | Electromagnetics II | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE311 | Electronic Devices | 7 |
| EEE321 | Electromechanical Energy Conversion I | 6 |
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| EEE352 | Automatic Control Systems | 6 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| CE100 | EEE100 | EEE209 | EEE145 | INF398 | INF398 |
| EP105 | EP103 VE EP107 | CE214 | EEE283 | CE400 | EEE400 |
| FE103 | FE101 | CE241 | EEE242 | Non-Tech.Elective | Non-Tech.Elective |
| LENG101 | LENG101 | MATH255 | EEE186 | | |
| MATH151 | MATH151 | MATH256 | EEE285 | | |
| TDP101 | TDP101 | HIST201 | HIST201 | | |

| | | | | | |
|--------------|----------------|---------------|---------------|--|--|
| TURK101 | TURK101 | HIST202 | HIST202 | | |
| EP106 | EP104 VE EP108 | Tech.Elective | Tech.Elective | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| CE101 | ME101 | | | | |
| Common Elec. | Common Elec. | | | | |

TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | | AKTS |
|---------|---|------|
| EEE201 | Circuit Analysis I | 7 |
| EEE261 | Electromagnetics I | 6 |
| EEE291 | Principles of Modern Physics and Elec.Materials | 5 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE210 | Microelectronic Devices | 4 |
| EEE242 | Computer Tools for Electrical Engineering | 6 |
| EEE262 | Electromagnetics II | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE311 | Electronic Devices | 7 |
| EEE321 | Electromechanical Energy Conversion I | 6 |
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| TE131 | EEE100 | TE241 | EEE145 | INF398 | INF398 |
| EP105 | EP103 VE EP107 | TE205 | EEE283 | TE400 | EEE400 |
| FE103 | FE101 | TE208 | EEE190 | Non-Tech.Elective | Non-Tech.Elective |
| LENG101 | LENG101 | MATH255 | EEE186 | | |
| MATH151 | MATH151 | MATH256 | EEE285 | | |
| TDP101 | TDP101 | HIST201 | HIST201 | | |
| TURK101 | TURK101 | HIST202 | HIST202 | | |
| EP106 | EP104 VE EP108 | Tech.Elective | Tech.Elective | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| Common Elec. | Common Elec. | | | | |

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | | AKTS |
|----------------|---|-------------|
| EEE201 | Circuit Analysis I | 7 |
| EEE261 | Electromagnetics I | 6 |
| EEE291 | Principles of Modern Physics and Elec.Materials | 5 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE210 | Microelectronic Devices | 4 |
| EEE262 | Electromagnetics II | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE311 | Electronic Devices | 7 |
| EEE321 | Electromechanical Energy Conversion I | 6 |
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| EEE352 | Automatic Control Systems | 6 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| IE143 | EEE100 | IE141 | EEE145 | INF398 | INF398 |
| EP105 | EP103 VE EP107 | IE142 | EEE242 | IE400 | EEE400 |
| FE103 | FE101 | IE205 | EEE283 | Non-Tech.Elective | Non-Tech.Elective |
| LENG101 | LENG101 | MATH255 | EEE186 | | |
| MATH151 | MATH151 | MATH256 | EEE285 | | |
| TDP101 | TDP101 | HIST201 | HIST201 | | |
| TURK101 | TURK101 | HIST202 | HIST202 | | |
| EP106 | EP104 VE EP108 | Tech.Elective | Tech.Elective | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| ME101 | ME101 | | | | |
| Common Elec. | Common Elec. | | | | |

OPTİK VE AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 3.DÖNEM | AKTS |
|----------------|-------------|
|----------------|-------------|

| | | |
|----------------|---|-----|
| EEE201 | Circuit Analysis I | 7 |
| EEE261 | Electromagnetics I | 6 |
| EEE291 | Principles of Modern Physics and Elec.Materials | 5 |
| 4.DÖNEM | | |
| EEE202 | Circuit Analysis II | 7 |
| EEE210 | Microelectronic Devices | 4 |
| EEE262 | Electromagnetics II | 6 |
| 5.DÖNEM | | |
| EEE301 | Signals and Systems-1 | 6 |
| EEE311 | Electronic Devices | 7 |
| EEE321 | Electromechanical Energy Conversion I | 6 |
| EEE361 | Lines, Fields and Waves | 6 |
| 6.DÖNEM | | |
| EEE312 | Electronic Circuits | 7 |
| EEE322 | Electromechanical Energy Conversion I | 7 |
| EEE340 | Digital Design I | 7 |
| EEE352 | Automatic Control Systems | 6 |
| 7.DÖNEM | | |
| EEE4XX | 5 Technical Electives | 25 |
| EEE499 | Graduation Project | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| EP112 | EEE100 | OPAC112 | EEE145 | INF398 | INF398 |
| EP109 | EP103 VE EP107 | OPAC215 | EEE242 | OPAC400 | EEE400 |
| FE103 | FE101 | OPAC216 | EEE283 | Non-Tech.Elective | Non-Tech.Elective |
| LENG101 | LENG101 | OPAC209 | EEE186 | | |
| MATH151 | MATH151 | OPAC209 | EEE285 | | |
| TDP101 | TDP101 | HIST201 | HIST201 | | |
| TURK101 | TURK101 | HIST202 | HIST202 | | |
| EP110 | EP104 VE EP108 | Tech.Elective | Tech.Elective | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TDP102 | TDP102 | | | | |
| TURK102 | TURK102 | | | | |
| ME101 | ME101 | | | | |
| Common Elec. | Common Elec. | | | | |

3- GIDA MÜHENDİSLİĞİ BÖLÜMÜ

ÇİFTANADAL YAPACAK MAKİNE ,ELEKTRİK-ELEKTRONİK, FİZİK, İNŞAAT, ENDÜSTRİ, TEKSTİL, OPTİK VE AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALACAĞI DERSLER

| 3. DÖNEM | | AKTS |
|----------|----------------------|------|
| FE 211 | Analytical Chemistry | 6 |

| | | |
|-----------------|----------------------------------|------------|
| FE 221 | Material and Eng. Balances | 5 |
| FE 271 | Food Chemistry | 6 |
| 4. DÖNEM | | |
| FE 204 | Gen. Microbiology | 6 |
| FE 218 | Food Systems | 4 |
| 5. DÖNEM | | |
| FE 305 | Food Microbiology | 6 |
| FE 311 | Applied Kinetics of Bio. React. | 4 |
| FE 315 | Inst. Analysis | 6 |
| | Elective | 2 |
| 6. DÖNEM | | |
| FE 322 | Food Production Management | 4 |
| FE 356 | Applied Mathematics in Food Eng. | 4 |
| FE 366 | Food Engineering Design I | 6 |
| FE 376 | Food Quality Control | 5 |
| FE 382 | Food Operations I | 5 |
| FE 384 | Food Operations II | 5 |
| 7. DÖNEM | | |
| FE 401 | Food Technology | 5 |
| FE 403 | Food Process Control | 4 |
| FE 411 | Food Biotechnology | 6 |
| FE 467 | Food Engineering Design II | 6 |
| FE 483 | Food Operations Laboratory | 5 |
| FE 499 | Graduation Project | 2 |
| | Elective | 2 |
| | | 104 |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ
ÇİFTANADAL YAPACAK ÖĞRENCİLERİN MUAF TUTULACAĞI DERSLER

MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| ME240 | EEE241 | MATH255 | FE243 | ME372 | FE301 |
| FE103 | FE111 | MATH256 | MATH256 | ME304 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | ME400 | FE400 |
| ME113 | ME101 | ME203 | FE212 | | |
| TURK101 | TURK101 | ME371 | FE222 | | |
| TDP101 | TDP101 | ME204 | FE224 | | |
| ME103 | FE113 | HIST202 | HIST202 | | |
| EP106 | EP116 | ME299 | FE299 | | |
| ME199 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| ME215 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common | Common | | | | |

| | | | | | |
|----------|----------|--|--|--|--|
| Electice | Electice | | | | |
| | | | | | |

ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|------------------------|------------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EEE145 | EEE241 | EEE283 | FE243 | EEE301 | FE301 |
| FE101 | FE111 | MATH256 | MATH256 | EEE361 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | EEE400 | FE400 |
| ME101 | ME101 | EEE270 | FE212 | | |
| TURK101 | TURK101 | EEE285 | FE222 | | |
| TDP101 | TDP101 | EEE210 | FE224 | | |
| EEE100 | FE113 | HIST202 | HIST202 | | |
| EP106 | EP116 | EEEE299 | FE299 | | |
| EEE190 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| EEE291 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Electice | Common Electice | | | | |

İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|------------------------|------------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| CE190 | EEE241 | CE214 | FE243 | CE323 | FE301 |
| FE103 | FE111 | MATH256 | MATH256 | CE373 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | CE400 | FE400 |
| ME101 | ME101 | CE203 | FE212 | | |
| TURK101 | TURK101 | CE372 | FE222 | | |
| TDP101 | TDP101 | CE222 | FE224 | | |
| CE100 | FE113 | HIST202 | HIST202 | | |
| EP106 | EP116 | CE244 | FE299 | | |
| CE104 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| CE241 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Electice | Common Electice | | | | |

TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|------------------------|------------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| TE241 | EEE241 | TE205 | FE243 | TE361 | FE301 |
| FE101 | FE111 | MATH256 | MATH256 | TE443 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | TE400 | FE400 |
| ME101 | ME101 | TE221 | FE212 | | |
| TURK101 | TURK101 | TE232 | FE222 | | |
| TDP101 | TDP101 | TE204 | FE224 | | |
| TE131 | FE113 | HIST202 | HIST202 | | |
| EP106 | EP116 | TE211 | FE299 | | |
| TE120 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| TE121 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Electice | Common Electice | | | | |
| | | | | | |

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|------------------------|------------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| IE141 | EEE241 | IE126 | FE243 | IE321 | FE301 |
| FE103 | FE111 | MATH256 | MATH256 | IE324 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | IE400 | FE400 |
| ME101 | ME101 | IE275 | FE212 | | |
| TURK101 | TURK101 | IE210 | FE222 | | |
| TDP101 | TDP101 | IE228 | FE224 | | |
| IE143 | FE113 | HIST202 | HIST202 | | |
| EP106 | EP116 | IE399 | FE299 | | |
| IE161 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| IE201 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Electice | Common Electice | | | | |

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|--------------|-------------------|--------------|----------------------------|--------------|
| ALDIĞI | MUAF SAYILAN | ALDIĞI | MUAF SAYILAN | ALDIĞI | MUAF SAYILAN |

| DESRLER | DESRLER | DESRLER | DESRLER | DESRLER | DESRLER |
|-----------------|-----------------|------------------------|------------------------|---------|---------|
| EP241 | EEE241 | EP348 | FE243 | EP364 | FE301 |
| FE103 | FE111 | MATH256 | MATH256 | EP353 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | EP400 | FE400 |
| ME101 | ME101 | EP291 | FE212 | | |
| TURK101 | TURK101 | EP220 | FE222 | | |
| TDP101 | TDP101 | EP252 | FE224 | | |
| EP112 | FE113 | HIST202 | HIST202 | | |
| EP135 | EP116 | EP399 | FE299 | | |
| EP145 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| EP222 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Electice | Common Electice | | | | |

OPTİK VE AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|------------------------|------------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| OPAC112 | EEE241 | OPAC201 | FE243 | OPAC301 | FE301 |
| FE103 | FE111 | MATH256 | MATH256 | OPAC305 | FE321 |
| LENG101 | LENG101 | HIST201 | HIST201 | İNF398 | İNF398 |
| MATH151 | MATH151 | Non-Technical Elective | Non-Technical Elective | OPAC400 | FE400 |
| OPAC108 | ME101 | OPAC202 | FE212 | | |
| TURK101 | TURK101 | OPAC209 | FE222 | | |
| TDP101 | TDP101 | OPAC208 | FE224 | | |
| EP112 | FE113 | HIST202 | HIST202 | | |
| EP110 | EP116 | OPAC199 | FE299 | | |
| OPAC101 | FE122 | Non-Technical Elective | Non-Technical Elective | | |
| OPAC103 | FE132 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Electice | Common Electice | | | | |

4. FİZİK MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI

OPTİK ve AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN 1-ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|-----------------------------|------|
| EP143 | Heat | 3 |
| EP135 | General Physics Lab 1 | 1 |
| EP145 | Introduction to Engineering | 2 |
| 2.DÖNEM | | |

| | | |
|-----------------------------------|---|-----------|
| EP136 | General Physics Lab 2 | 1 |
| EP122 | Measurement Techniques and Calibration | 3 |
| ME101 | Engineering Graphics | 4 |
| 3.DÖNEM | | |
| EP201 | Modern Physics | 5 |
| EP235 | Physics Lab 1 | 1 |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP220 | Mathematics for Engineers and Physicists-II | 4 |
| EP222 | Material Science | 5 |
| 5.DÖNEM | | |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 4 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 6.DÖNEM | | |
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| Toplam ALMASI Gerekli AKTS | | 74 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP109 | EP 111 | OPAC205 | EP215 | OPAC307 | EP331 |
| MATH151 | MATH151 | OPAC209 | EP219 | OPAC304 | EP343 (T.E.) |
| FE103 | FE103 | OPAC112 | EP241 | OPAC*** | EP*** (T.E.) |
| LENG101 | LENG101 | OPAC206 | EP232 | OPAC*** | EP*** (T.E.) |
| EP112 | EP112 | Non-T.E. | Non-T.E. | OPAC*** | EP*** (T.E.) |
| TURK101 | TURK101 | HIST201 | HIST201 | OPAC*** | EP*** (T.E.) |
| TDP101 | TDP101 | OPAC212 | EP226 | OPAC*** | EP*** (T.E.) |
| OPAC101 | EP118 | OPAC214 | EP236 | OPAC*** | EP*** (T.E.) |
| EP110 | EP124 | Non-T.E. | Non-T.E. | OPAC*** | EP*** (T.E.) |
| MATH152 | MATH152 | OPAC305 | EP338 | INF398 | INF398 |
| LENG102 | LENG102 | HIST202 | HIST202 | OPAC499 | EP499 |
| TURK102 | TURK102 | | | OPAC399 | EP399 |
| COMMON ELECTİVE | COMMON ELECTİVE | | | OPAC400 | EP400 |
| TDP102 | TDP102 | | | | |

Not-1: Optik ve Akustik Mühendisliği Bölümü Öğrencileri kendi kataloglarındaki 7 (yedi) adet teknik seçmeli dersin dışında Fizik Mühendisliği Bölümü kataloğunda bulunan teknik seçmeli derslerden eş değer olmayanlardan yeteri kadar alarak en az 60 AKTS'lik ders almak zorundadır.

Not-2: Her iki bölümün kataloğunda mevcut olan bire bir eşdeğer teknik dersler. Optik ve Akustik Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde eşdeğer seçmeli dersi almış kabul edilir.

| EP ve OPAC ARASINDA EŞDEĞER SEÇMELİ DERSLER |
|---|
| OPAC407 = EP383 |
| OPAC410 = EP227 |
| OPAC412 = EP312 |
| OPAC422 = EP486 |

| OPAC461 = EP339 | |
|--|-------|
| Not-3: Optik ve Akustik Mühendisliği bölümündeki tüm teknik seçmeli dersler Fizik Mühendisliği bölümünde teknik seçmeli eş değer ders olarak kabul edilir. | |
| Not-4: Fizik Mühendisliği bölümündeki aşağıdaki zorunlu ve teknik seçmeli dersler Optik ve Akustik Mühendisliği bölümünde teknik seçmeli eş değer ders olarak kabul edilir. | |
| EP201 | EP334 |
| EP208 | EP339 |
| EP211 | EP341 |
| EP216 | EP353 |
| EP225 | EP364 |
| EP252 | EP415 |
| EP268 | EP426 |
| EP301 | EP463 |
| EP314 | EP466 |
| EP319 | EP467 |
| EP324 | EP485 |
| EP326 | EP486 |
| EP332 | |

**MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ**

| Dersin Kodu | 1.DÖNEM | AKTS |
|--------------------|----------------------------------|-------------|
| EP135 | General Physics Lab 1 | 1 |
| EP145 | Introduction to Engineering | 2 |
| 2.DÖNEM | | |
| EP136 | General Physics Lab 2 | 1 |
| EP118 | Optics and Acoustics | 3 |
| 3.DÖNEM | | |
| EP201 | Modern Physics | 5 |
| EP235 | Physics Lab 1 | 1 |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP226 | Electronics | 5 |
| EP236 | Physics Lab 2 | 1 |
| 5.DÖNEM | | |
| EP331 | Electromagnetic Theory I | 5 |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 4 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 6.DÖNEM | | |
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |

| | | |
|-----------------------------------|--------------------|------------|
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 107 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP105 | EP111 | ME211 | EP215 | ME352 | EP448 (T.E.) |
| ME371 | EP143 | MATH256 | EP219 | INF398 | INF398 |
| MATH151 | MATH151 | ME240 | EP241 | ME399 | EP399 |
| FE103 | FE103 | Non-T.E. | Non-T.E. | ME499 | EP499 |
| LENG101 | LENG101 | ME204 | EP252 (T.E.) | ME400 | EP400 |
| ME103 | EP112 | HIST201 | HIST201 | | |
| TURK101 | TURK101 | MATH255 | EP220 | | |
| TDP101 | TDP101 | ME215 | EP222 | | |
| EP106 | EP124 | Non-T.E. | Non-T.E. | | |
| ME416 | EP122 | ME304 | EP353 (T.E.) | | |
| ME113 | ME101 | HIST202 | HIST202 | | |
| MATH152 | MATH152 | | | | |
| LENG102 | LENG102 | | | | |
| TURK102 | TURK102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| TDP102 | TDP102 | | | | |

Not-1: Her iki bölümün kataloğunda mevcut olan birebir eşdeğer dersler. Makine Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde bir seçmeli ders almış kabul edilir.

EP ve ME ARASINDA EŞDEĞER SEÇMELİ DERSLER

EP375 = ME444

EP384 = ME445

EP360 = ME470

Not-2: Makine Mühendisliği Bölümünde aşağıdaki zorunlu yada teknik seçmeli derslerden alan öğrenciler Fizik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

EP'de KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

EP*** = ME216

EP*** = ME303

EP*** = ME307

EP*** = ME308

EP*** = ME371

EP*** = ME372

EP*** = ME408

EP*** = ME419

EP*** = ME429

EP*** = ME435

EP*** = ME444

EP*** = ME446

EP*** = ME471

EP*** = ME472

EP*** = ME498

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|-----------------------------------|--|-----------|
| EP143 | Heat | 3 |
| EP145 | Introduction to Engineering | 2 |
| 2.DÖNEM | | |
| EP118 | Optics and Acoustics | 3 |
| EP122 | Measurement Techniques and Calibration | 3 |
| ME101* | Engineering Graphics | 4 |
| 3.DÖNEM | | |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP222 | Material Science | 5 |
| 5.DÖNEM | | |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 1 |
| 6.DÖNEM | | |
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 90 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP103 | EP111 | EEE291 | EP201 | EEE261 | EP331 |
| EP107 | EP135 | EEE201 | EP215 | EEE262 | EP332 (T.E.) |
| MATH51 | MATH151 | EEE285 | EP219 | EEE312 | EP326 (T.E.) |
| FE101 | FE103 | EEE145 | EP241 | EEE340 | EP227 (T.E.) |
| LENG101 | LENG101 | EEE201 | EP235 | INF398 | INF398 |
| EEE100 | EP112 | Non-T.E. | Non-T.E. | EEE399 | EP399 |
| TURK101 | TURK101 | EEE202 | EP225 (T.E.) | EEE499 | EP499 |
| TDP101 | TDP101 | HIST201 | HIST201 | EEE400 | EP400 |
| EP104 | EP124 | EEE186 | EP220 | | |
| EP108 | EP136 | EEE311 | EP226 | | |
| MATH152 | MATH152 | EEE311 | EP236 | | |
| LENG102 | LENG102 | Non-T.E. | Non-T.E. | | |
| TURK102 | TURK102 | EEE210 | EP211 (T.E.) | | |
| TDP102 | TDP102 | HIST202 | HIST202 | | |
| COMMON ELECTİVE** | COMMON ELECTİVE** | | | | |

*Elektrik ve Elektronik Mühendisliği Bölümünde ME101 Engineering Graphics dersini alan öğrenciler ME101 dersinden muaf sayılacaktır.

Not-1: Her iki bölümün kataloğunda mevcut olan birebir eşdeğer dersler. Elektrik ve Elektronik Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde bir seçmeli ders almış kabul edilir.

EP ve EEE ARASINDA EŞDEĞER SEÇMELİ DERSLER

EP334 = EEE447

EP486 = EEE342

EP485 = EEE410

EP312 = EEE417

Not-2: Elektrik ve Elektronik Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Fizik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

EP'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

EP*** = ME204

EP*** = EEE404

EP*** = EEE412

EP*** = EEE431

EP*** = EEE432

Not-3: Elektrik ve Elektronik Mühendisliği Bölümü Öğrencileri her iki bölümün kataloğunda bulunan eşdeğer derslerin dışında Fizik Mühendisliği Bölümü kataloğunda bulunan eşdeğer sayılmayan teknik seçmeli derslerden en az dört tane almak zorundadır.

İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|--|------|
| EP143 | Heat | 3 |
| EP135 | General Physics Lab 1 | 1 |
| 2.DÖNEM | | |
| EP118 | Optics and Acoustics | 3 |
| EP136 | General Physics Lab 2 | 1 |
| EP122 | Measurement Techniques and Calibration | 3 |
| 3.DÖNEM | | |
| EP201 | Modern Physics | 5 |
| EP215 | Circuit Analysis | 5 |
| EP235 | Physics Lab 1 | 1 |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP226 | Electronics | 5 |
| EP236 | Physics Lab 2 | 1 |
| 5.DÖNEM | | |
| EP331 | Electromagnetic Theory I | 5 |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |

| | | |
|-----------------------------------|---------------------------|------------|
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 6.DÖNEM | | |
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP399 | Summer Practice | 2 |
| Toplam ALMASI Gerekli AKTS | | 120 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP105 | EP111 | MATH256 | EP219 | INF398 | INF398 |
| CE100 | EP145 | CE209 | EP241 | CE499 | EP399 |
| MATH151 | MATH151 | Non-T.E. | Non-T.E. | CE400 | EP400 |
| FE103 | FE103 | CE122 | EP214 (T.E.) | | |
| LENG101 | LENG101 | HIST201 | HIST201 | | |
| ME103 | EP112 | MATH255 | EP220 | | |
| TURK101 | TURK101 | CE241 | EP222 | | |
| TDP101 | TDP101 | Non-T.E. | Non-T.E. | | |
| EP106 | EP124 | CE231 | EP301 (T.E.) | | |
| CE101 | ME101 | HIST202 | HIST202 | | |
| MATH152 | MATH152 | | | | |
| LENG102 | LENG102 | | | | |
| TURK102 | TURK102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| TDP102 | TDP102 | | | | |
| | | | | | |

Not-1: Her iki bölümün kataloğunda mevcut olan eşdeğer dersler. İnşaat Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde bir seçmeli ders almış kabul edilir.

EP ve CE ARASINDA EŞDEĞER SEÇMELİ DERSLER

EP384 = CE439

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|-----------------------------------|--|-------------|
| EP143 | Heat | 3 |
| EP135 | General Physics Lab 1 | 1 |
| 2.DÖNEM | | |
| EP118 | Optics and Acoustics | 3 |
| EP136 | General Physics Lab 2 | 1 |
| EP122 | Measurement Techniques and Calibration | 3 |
| 3.DÖNEM | | |
| EP201 | Modern Physics | 5 |
| EP215 | Circuit Analysis | 5 |
| EP235 | Physics Lab 1 | 1 |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP226 | Electronics | 5 |
| EP236 | Physics Lab 2 | 1 |
| 5.DÖNEM | | |
| EP331 | Electromagnetic Theory I | 5 |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 6.DÖNEM | | |
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 118 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP105 | EP111 | MATH256 | EP219 | INF398 | INF398 |
| IE161 | EP145 | IE241 | EP241 | ME399 | EP399 |
| MATH151 | MATH151 | Non-T.E. | Non-T.E. | ME499 | EP499 |
| FE103 | FE103 | IE221 | EP301 (T.E.) | ME400 | EP400 |

| | | | | | |
|-----------------|-----------------|----------|--------------|--|--|
| LENG101 | LENG101 | HIST201 | HIST201 | | |
| ME103 | EP112 | MATH255 | EP220 | | |
| TURK101 | TURK101 | ME215 | EP222 | | |
| TDP101 | TDP101 | Non-T.E. | Non-T.E. | | |
| EP106 | EP124 | IE275 | EP202 (T.E.) | | |
| ME101 | ME101 | HIST202 | HIST202 | | |
| MATH152 | MATH152 | | | | |
| LENG102 | LENG102 | | | | |
| TURK102 | TURK102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| TDP102 | TDP102 | | | | |
| | | | | | |

Not-1: Endüstri Mühendisliği Bölümünde IE365 Engineering Metrology dersini alan öğrenciler bu dersten muaf sayılacaktır.

Not-2: Her iki bölümün kataloğunda mevcut olan eşdeğer dersler. Endüstri Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde bir seçmeli ders almış kabul edilir.

EP ve IE ARASINDA EŞDEĞER SEÇMELİ DERSLER

EP252 = IE351

EP301 = IE377

TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|--|------|
| EP135 | General Physics Lab 1 | 1 |
| EP145 | Introduction to Engineering | 2 |
| 2.DÖNEM | | |
| EP118 | Optics and Acoustics | 3 |
| EP136 | General Physics Lab 2 | 1 |
| EP122 | Measurement Techniques and Calibration | 3 |
| 3.DÖNEM | | |
| EP201 | Modern Physics | 5 |
| EP215 | Circuit Analysis | 5 |
| EP235 | Physics Lab 1 | 1 |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP226 | Electronics | 5 |
| EP236 | Physics Lab 2 | 1 |
| 5.DÖNEM | | |
| EP331 | Electromagnetic Theory I | 5 |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 6.DÖNEM | | |

| | | |
|-----------------------------------|---------------------------|------------|
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP105 | EP111 | MATH256 | EP219 | INF398 | INF398 |
| TE232 | EP143 | TE241 | EP241 | TE398 | EP399 |
| MATH151 | MATH151 | Non-T.E. | Non-T.E. | TE498 | EP499 |
| FE103 | FE103 | TE204 | EP252 (T.E.) | TE400 | EP400 |
| LENG101 | LENG101 | HIST201 | HIST201 | | |
| TE131 | EP112 | MATH255 | EP220 | | |
| TURK101 | TURK101 | TE224 | EP222 | | |
| TDP101 | TDP101 | Non-T.E. | Non-T.E. | | |
| EP106 | EP124 | TE205 | EP348 (T.E.) | | |
| ME101 | ME101 | HIST202 | HIST202 | | |
| MATH152 | MATH152 | | | | |
| LENG102 | LENG102 | | | | |
| TURK102 | TURK102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| TDP102 | TDP102 | | | | |

Not-1: Her iki bölümün kataloğunda mevcut olan eşdeğer dersler. Tekstil Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde bir seçmeli ders almış kabul edilir.

EP ve TE ARASINDA EŞDEĞER SEÇMELİ DERSLER

EP353 = TE443

EP301 = TE456

Not-2: Tekstil Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Fizik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

| EP'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER | |
|---|--|
| EP*** = TE423 | |
| EP*** = TE424 | |
| EP*** = TE451 | |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|-----------------------------------|---|------------|
| 2.DÖNEM | | |
| EP118 | Optics and Acoustics | 3 |
| EP122 | Measurement Techniques and Calibration | 3 |
| 3.DÖNEM | | |
| EP201 | Modern Physics | 5 |
| EP215 | Circuit Analysis | 5 |
| EP235 | Physics Lab 1 | 1 |
| 4.DÖNEM | | |
| EP208 | Computational Methods in Physics | 5 |
| EP220 | Mathematics for Engineers and Physicists-II | 4 |
| EP222 | Material Science | 5 |
| EP226 | Electronics | 5 |
| EP236 | Physics Lab 2 | 1 |
| 5.DÖNEM | | |
| EP331 | Electromagnetic Theory I | 5 |
| EP341 | Quantum Physics | 4 |
| EP335 | Physics Lab 3 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 6.DÖNEM | | |
| EP346 | Nuclear Physics I | 4 |
| EP364 | Solid State Physics I | 4 |
| EP336 | Engineering Physics Lab 1 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| EP435 | Engineering Physics Lab 2 | 1 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| EP*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|------|-------------------|------|----------------------------|------|
| ALDIĞI | MUAF | ALDIĞI | MUAF | ALDIĞI | MUAF |

| DESRLER | SAYILAN DESRLER | DESRLER | SAYILAN DESRLER | DESRLER | SAYILAN DESRLER |
|-----------------|-----------------|----------|-----------------|---------|-----------------|
| EP116 | EP111 | MATH256 | EP219 | FE231 | EP353 (T.E.) |
| FE222 | EP143 | EEE241 | EP241 | INF398 | INF398 |
| EP120 | EP135 | Non.T.E. | Non.T.E. | FE299 | EP399 |
| FE122 | EP145 | FE224 | EP252 (T.E.) | FE499 | EP499 |
| MATH151 | MATH151 | HIST201 | HIST201 | FE400 | EP400 |
| FE103 | FE103 | Non.T.E. | Non.T.E. | | |
| LENG101 | LENG101 | FE243 | EP348 (T.E.) | | |
| FE113 | EP112 | HIST202 | HIST202 | | |
| TURK101 | TURK101 | | | | |
| TDP101 | TDP101 | | | | |
| EP116 | EP124 | | | | |
| EP120 | EP136 | | | | |
| ME101 | ME101 | | | | |
| MATH152 | MATH152 | | | | |
| LENG102 | LENG102 | | | | |
| TURK102 | TURK102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| TDP102 | TDP102 | | | | |

Not-1: Her iki bölümün kataloğunda mevcut olan eşdeğer dersler. Gıda Mühendisliği Bölümünde aşağıdaki seçmeli dersleri alan öğrenciler Fizik Mühendisliği Bölümünde bir seçmeli ders almış kabul edilir.

EP ve FE ARASINDA EŞDEĞER SEÇMELİ DERSLER

EP426 = FE315

5. İNŞAAT MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN 1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|---------|-----------------------------------|------|
| CE 101 | Civil Engineering Drawing | 5 |
| 2.DÖNEM | | |
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 122 | Statics | 5 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 223 | Solid Mechanics | 5 |
| CE 231 | Civil Engineering Economy | 4 |
| 4.DÖNEM | | |
| CE 244 | Materials of Construction | 5 |
| CE 222 | Dynamics | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| CE272 | Fluid Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 331 | Construction Eng. and Management | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |

| 7.DÖNEM | | |
|----------------|--------------------------------|------------|
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |
| | | 118 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP112 | CE 100 | EP241 | CE 209 | Non-Technical Elective | Non-Technical Elective |
| EP111 | EP 105 | EP222 | CE 241 | Non-Technical Elective | Non-Technical Elective |
| Com.Elec. | Common Elec. | HIST 201 | HIST 201 | Technical Elective | Technical Elective |
| Technical Elective | CE 164 | EP220 | MATH 255 | Technical Elective | Technical Elective |
| EP124 | EP 106 | Technical Elective | CE214 | INF 398 | INF 398 |
| LENG102 | L.Eng. 102 | HIST 202 | HIST 202 | EP 400 | CE 400 |
| MATH 152 | MATH 152 | EP219 | MATH 256 | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| LENG 101 | LENG 101 | | | | |
| MATH 151 | MATH 151 | | | | |
| FE 103 | FE 103 | | | | |
| TURK 102 | TURK 102 | | | | |
| TDP 101 | TDP 101 | | | | |

MAKİNA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 2.DÖNEM | | AKTS |
|-----------------------|-----------------------------------|-------------|
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 164 | Geology for Civil Engineers | 4 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 231 | Civil Engineering Economy | 4 |
| 4.DÖNEM | | |
| CE 214 | Statics for Civil Engineers | 4 |
| CE 244 | Materials of Construction | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 331 | Construction Eng. and Management | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |
| 7.DÖNEM | | |
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |
| 2 Technical Electives | | 10 |

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|--|--|------------|
| | | 111 |
|--|--|------------|

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| ME 103 | CE 100 | ME 240 | CE 209 | ME 371 | CE272 |
| ME 113 | CE 101 | ME 223 | CE 223 | INF398 | INF398 |
| EP 105 | EP 105 | ME 215 | CE 241 | ME400 | CE400 |
| FE 103 | FE 103 | HIST 201 | HIST 201 | Non Technical Elective | Non Technical Elective |
| L.Eng 101 | L.Eng. 101 | Math 255 | MATH 255 | Non Technical Elective | Non Technical Elective |
| MATH 151 | MATH 151 | ME 208 | CE 222 | | |
| TDP 101 | TDP 101 | HIST 202 | HIST 202 | | |
| TURK 101 | TURK 101 | Math 256 | Math256 | | |
| Common Elec. | Common Elec. | | | | |
| ME 108 | CE 122 | | | | |
| EP 106 | EP 106 | | | | |
| L.Eng 102 | L.Eng. 102 | | | | |
| Math 152 | MATH 152 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 2.DÖNEM | | AKTS |
|---------|-----------------------------------|------|
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 122 | Statics | 5 |
| CE 164 | Geology for Civil Engineers | 4 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 223 | Solid Mechanics | 5 |
| CE 231 | Civil Engineering Economy | 4 |
| CE 241 | Material Science | 5 |
| 4.DÖNEM | | |
| CE 222 | Dynamics | 5 |
| CE 244 | Materials of Construction | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 331 | Construction Eng. and Management | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |
| 7.DÖNEM | | |
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |

| | | |
|--------|--------------------------|------------|
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| FE 113 | CE 100 | EEE 241 | CE 209 | INF398 | INF398 |
| ME 101 | CE 101 | HIST 201 | HIST 201 | FE400 | CE400 |
| EP 116 | EP 105 | FE 243 | CE 214 | Non Technical Elective | Non Technical Elective |
| FE 111 | FE 103 | FE 222 | CE272 | Non Technical Elective | Non Technical Elective |
| L.Eng. 101 | L.Eng. 101 | HIST 202 | HIST 202 | FE301 | Technical Elec. |
| MATH 151 | MATH 151 | MATH 256 | MATH 256 | FE321 | Technical elec. |
| TDP 101 | TDP 101 | | | FE 356 | MATH 255 |
| TURK 101 | TURK 101 | | | | |
| Common Elec. | Common Elec. | | | | |
| EP 116 | EP 106 | | | | |
| L.Eng. 102 | L.Eng. 102 | | | | |
| MATH 152 | MATH 152 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |

TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 2.DÖNEM | | AKTS |
|---------|-----------------------------------|------|
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 164 | Geology for Civil Engineers | 4 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 223 | Solid Mechanics | 5 |
| CE 231 | Civil Engineering Economy | 4 |
| CE 241 | Material Science | 5 |
| 4.DÖNEM | | |
| CE 244 | Materials of Construction | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 331 | Construction Eng. and Management | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |
| 7.DÖNEM | | |
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |

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| | 2 Technical Electives | 10 |
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2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| TE 131 | CE 100 | TE 241 | CE 209 | Non-Technical Elective | Non-Technical Elective |
| ME 101 | CE 101 | HIST 201 | HIST 201 | Non-Technical Elective | Non-Technical Elective |
| EP 105 | EP 105 | MATH 255 | MATH 255 | INF 398 | INF 398 |
| FE 101 | FE 103 | TE 205 | CE 214 | TE 400 | CE 400 |
| L.Eng 101 | L.Eng. 101 | TE 204 | CE 222 | | |
| MATH 151 | MATH 151 | TE 232 | CE272 | | |
| TDP 101 | TDP 101 | HIST 202 | HIST 202 | | |
| TURK 101 | TURK 101 | MATH 256 | MATH 256 | | |
| Common Elective | Common Elective | TE 208 | CE 122 | | |
| EP 106 | EP 106 | | | | |
| L.Eng 102 | L.Eng. 102 | | | | |
| MATH 152 | MATH 152 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |

1. İNŞAAT MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI ELEKTRİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 2.DÖNEM | | AKTS |
|---------|-----------------------------------|------------|
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 122 | Statics | 5 |
| CE 164 | Geology for Civil Engineers | 4 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 223 | Solid Mechanics | 5 |
| CE 241 | Material Science | 5 |
| 4.DÖNEM | | |
| CE 222 | Dynamics | 5 |
| CE 244 | Materials of Construction | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| CE 272 | Fluid Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 331 | Construction Eng. And Management | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |
| 7.DÖNEM | | |
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |
| | | 118 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|--------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EEE100 | CE 100 | Technical Elective | CE231 | Non-Technical Elective | Non-Technical Elective |
| EP103 | EP 105 | HIST201 | HIST 201 | Non-Technical Elective | Non-Technical Elective |
| FE101 | FE 103 | Technical Elective | MATH 255 | Technical Elec. | Technical Elec. |
| L.Eng.101 | L.Eng. 101 | EEE283 | CE 214 | Technical Elec. | Technical Elec. |
| MATH151 | MATH 151 | HIST202 | HIST 202 | INF 398 | INF 398 |
| TDP101 | TDP 101 | EEE285 | MATH 256 | EEE 400 | CE 400 |
| TURK 101 | TURK 101 | | | | |
| Common Elec. | Common Elec. | | | | |
| EP104 | EP 106 | | | | |
| L.Eng. 102 | L.Eng. 102 | | | | |
| MATH152 | MATH 152 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| EEE145 | CE 209 | | | | |
| Technical Elec. | CE 101 | | | | |

OPTİK VE AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 2.DÖNEM | | AKTS |
|---------|-----------------------------------|------------|
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 122 | Statics | 5 |
| CE 164 | Geology for Civil Engineers | 4 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 223 | Solid Mechanics | 5 |
| CE 231 | Civil Engineering Economy | 4 |
| CE 241 | Material Science | 5 |
| 4.DÖNEM | | |
| CE 222 | Dynamics | 5 |
| CE 244 | Materials of Construction | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| CE 272 | Fluid Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |
| 7.DÖNEM | | |
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|--------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP112 | CE 100 | Technical Elective | CE 231 | Non-Technical Elective | Non-Technical Elective |
| OPAC108 | CE 101 | HIST 201 | HIST 201 | Non-Technical Elective | Non-Technical Elective |
| EP109 | EP 105 | Technical Elective | MATH 255 | Technical Elec. | Technical Elec. |
| FE103 | FE 103 | OPAC209 | CE 214 | Technical Elec. | Technical Elec. |
| LENG101 | L.Eng. 101 | HIST202 | HIST 202 | Technical Elec. | CE 331 |
| MATH151 | MATH 151 | Technical Elective | MATH 256 | INF 398 | INF 398 |
| TDP101 | TDP 101 | | | OPAC 400 | CE 400 |
| TURK 101 | TURK 101 | | | | |
| Common Elec. | Common Elec. | | | | |
| EP110 | EP 106 | | | | |
| LENG102 | L.Eng. 102 | | | | |
| MATH152 | MATH 152 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK102 | TURK 102 | | | | |
| | | | | | |

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 2.DÖNEM | | AKTS |
|---------|-----------------------------------|------------|
| CE 104 | Introduction to Civil Engineering | 1 |
| CE 122 | Statics | 5 |
| CE 164 | Geology for Civil Engineers | 4 |
| 3.DÖNEM | | |
| CE 203 | Land Surveying | 5 |
| CE 223 | Solid Mechanics | 5 |
| 4.DÖNEM | | |
| CE 222 | Dynamics | 5 |
| CE 244 | Materials of Construction | 5 |
| CE 262 | Introduction to Soil Mechanics | 5 |
| CE 272 | Fluid Mechanics | 5 |
| 5.DÖNEM | | |
| CE 323 | Structural Mechanics | 5 |
| CE 351 | Transportation and Traffic Eng | 6 |
| CE 361 | Soil Mechanics | 6 |
| CE 373 | Engineering Hydraulics | 5 |
| 6.DÖNEM | | |
| CE 352 | Highway Engineering | 5 |
| CE 364 | Foundation Engineering I | 5 |
| CE 374 | Engineering Hydrology | 5 |
| CE 382 | Steel Structures | 5 |
| CE 384 | Structural Analysis I | 6 |
| 7.DÖNEM | | |
| CE 471 | Design of Hydraulic Structures | 5 |
| CE 481 | Reinforced Concrete Theory | 5 |
| CE 486 | Structural Design | 5 |
| CE 499 | Civil Engineering Design | 5 |
| | 2 Technical Electives | 10 |
| | | 118 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| IE143 | CE 100 | IE222 | CE231 | Non-Technical Elective | Non-Technical Elective |
| EP105 | EP 105 | ME215 | CE 241 | Non-Technical Elective | Non-Technical Elective |
| FE103 | FE 103 | HIST201 | HIST 201 | IE 327 | CE 331 |
| L.Eng.101 | L.Eng. 101 | MATH255 | MATH 255 | INF 398 | INF 398 |
| MATH151 | MATH 151 | IE226 | CE 214 | IE 400 | CE 400 |
| TDP101 | TDP 101 | HIST202 | HIST 202 | | |
| TURK 101 | TURK 101 | MATH256 | MATH 256 | | |
| Common Elective | Common Elective | | | | |
| EP106 | EP 106 | | | | |
| L.Eng. 102 | L.Eng. 102 | | | | |
| MATH152 | MATH 152 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| IE 141 | CE 209 | | | | |
| ME 101 | CE 101 | | | | |

6. ENDÜSTRİ MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI

ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Ders Kodu | Ders Adı | AKTS |
|--------------------|---|------|
| 1. SEMESTER | | |
| IE161 | IntroductiontoIndustrialEngineering | 3 |
| 2.SEMESTER | | |
| ME101 | Engineering Graphics I | 4 |
| IE178 | Technical andProfesionalComposition | 3 |
| 3. SEMESTER | | |
| IE201 | IntroductiontoManufacturingProcesses | 6 |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science,TechnologyandSociety | 4 |
| 4. SEMESTER | | |
| IE210 | Int. toSys. and Math. ModelingforIndustrialEng. | 5 |
| IE222 | Principles of Economics II | 4 |
| IE226 | Introduction to Statistics | 5 |
| IE228 | Work Analysis and Design | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE325 | Operations Management | 4 |
| IE327 | Management forEngineers | 5 |
| 1 adet | Elective Course | 4 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 1 adet | Elective Course | 4 |
| 7. SEMESTER | | |
| IE403 | Quality Planning and Control | 5 |

| | | |
|---------------|--|---|
| IE421 | Facilities Design and Planning | 5 |
| IE425 | Engineering Economy and Cost Analysis | 5 |
| IE435 | New Product-Service & Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE499 | Graduation Project | 5 |
| TOPLAM | 116 | |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I. SINIF DERSLERİ | | II. SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------|----------------------|--------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EEE145 | IE141 | EEE283 | IE205 | EEE321 | Elective Course |
| EEE100 | IE143 | EEE186 | MATH255 | INF 398 | INF 398 |
| EP103 | EP105 | EEE291 | ME215 | EEE400 | IE400 |
| FE101 | FE103 | HIST100 | HIST201 | MF300 | Non-Technical Elective |
| LENG101 | L.Eng.101 | EEE242 | IE218 | Non-Technical Elective | Non-Technical Elective |
| MATH151 | MATH151 | EEE285 | MATH256 | EEE352 | Elective Course |
| TURK100 | TURK101 | HIST200 | HIST202 | | |
| TDP101 | TDP101 | | | | |
| EEE145 | IE142 | | | | |
| EP108 | EP106 | | | | |
| LENG102 | L.Eng.102 | | | | |
| MATH152 | MATH152 | | | | |
| TURK200 | TURK200 | | | | |
| TDP102 | TDP102 | | | | |

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Ders Kodu | Ders Adı | AKTS |
|--------------------|---|------|
| 1. SEMESTER | | |
| IE161 | Introduction to Industrial Engineering | 3 |
| 2. SEMESTER | | |
| IE178 | Technical and Professional Composition | 3 |
| 3. SEMESTER | | |
| IE201 | Introduction to Manufacturing Processes | 6 |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science, Technology and Society | 4 |
| IE205 | Introduction to Probability | 5 |
| 4. SEMESTER | | |
| IE210 | Int. to Sys. and Math. Modeling for Industrial Eng. | 5 |
| IE218 | Database Management | 5 |
| IE222 | Principles of Economics II | 4 |
| IE226 | Introduction to Statistics | 5 |
| IE228 | Work Analysis and Design | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE325 | Operations Management | 4 |
| IE327 | Management for Engineers | 5 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |

| | | |
|--------------------|--|------------|
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 1 adet | Elective Course | 4 |
| 7. SEMESTER | | |
| IE403 | Quality Planning and Control | 5 |
| IE421 | Facilities Design and Planning | 5 |
| IE425 | Engineering Economy and Cost Analysis | 5 |
| IE435 | New Product-Service & Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE499 | Graduation Project | 5 |
| TOPLAM | | |
| | | 118 |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I. SINIF DERSLERİ | | II. SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------|----------------------|--------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP241 | IE141 | EP220 | MATH255 | Non-Technical Elective II | Non-Technical Elective |
| EP112 | IE143 | EP222 | ME215 | INF398 | INF398 |
| EP201 | EP105 | HIST201 | HIST201 | EP400 | IE400 |
| FE103 | FE103 | EP219 | MATH256 | Non-Technical Elective I | Non-Technical Elective |
| LENG101 | L.Eng.101 | HIST202 | HIST202 | Technical Elective Course | Elective Course |
| MATH151 | MATH151 | | | Technical Elective Course | Elective Course |
| TURK101 | TURK101 | | | EP341 | Elective Course |
| TDP101 | TDP101 | | | | |
| EP241 | IE142 | | | | |
| EP208 | EP106 | | | | |
| LENG102 | L.Eng.102 | | | | |
| MATH152 | MATH152 | | | | |
| ME101 | ME101 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Ders Kodu | Ders Adı | AKTS |
|--------------------|--|------|
| 1. SEMESTER | | |
| IE161 | Introduction to Industrial Engineering | 3 |
| 2. SEMESTER | | |
| IE142 | Computer Programing II | 3 |
| IE178 | Technical and Profesional Composition | 3 |
| 3. SEMESTER | | |

| | | |
|--------------------|--|------------|
| IE201 | IntroductiontoManufacturingProcesses | 6 |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science,TechnologyandSociety | 4 |
| 4. SEMESTER | | |
| IE210 | Int.toSys. andMath.ModelingforIndustrialEng. | 5 |
| IE218 | Database Management | 5 |
| IE222 | Principles of Economics II | 4 |
| IE228 | Work Analysis and Design | 5 |
| IE226 | IntroductiontoStatistics | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE325 | Operations Management | 4 |
| IE327 | Management forEngineers | 5 |
| 1 adet | Elective Course | 4 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 1 adet | Elective Course | 4 |
| 7. SEMESTER | | |
| IE403 | Quality Planning and Control | 5 |
| IE421 | Facilities Design and Planning | 5 |
| IE435 | New Product-Service&Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE499 | Graduation Project | 5 |
| IE399 | SummerPractice | 2 |
| 8. SEMESTER | | |
| TOPLAM | | 117 |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| CE209 | IE141 | CE214 | IE205 | Non-Technical Elective | Non-Technical Elective |
| CE100 | IE143 | MATH255 | MATH255 | Non-Technical Elective | Non-Technical Elective |
| EP105 | EP105 | CE241 | ME215 | İNF 398 | İNF 398 |
| FE103 | FE103 | HIST201 | HIST201 | CE231 | IE425 |
| LENG101 | L.Eng.101 | MATH256 | MATH256 | CEO400 | IE400 |
| MATH151 | MATH151 | HIST202 | HIST202 | CE222 | Elective Course |
| TURK101 | TURK101 | | | CE351 | Elective Course |
| TDP101 | TDP101 | | | | |
| EP106 | EP106 | | | | |
| LENG102 | LENG102 | | | | |
| MATH152 | MATH152 | | | | |
| CE101 | CE101 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Ders Kodu | Ders Adı | AKTS |
|--------------------|--|------------|
| 1. SEMESTER | | |
| IE161 | IntroductiontoIndustrialEngineering | 3 |
| 2.SEMESTER | | |
| IE178 | Technical andProfesionalComposition | 3 |
| 3. SEMESTE | | |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science,TechnologyandSociety | 4 |
| IE205 | IntroductiontoProbability | 5 |
| 4. SEMESTER | | |
| IE210 | Int.toSys. andMath.ModelingforIndustrialEng. | 5 |
| IE218 | Database Management | 5 |
| IE222 | Principles of Economics II | 4 |
| IE226 | IntroductiontoStatistics | 5 |
| IE228 | Work Analysis and Design | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE325 | Operations Management | 4 |
| IE327 | Management forEngineers | 5 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 2 adet | Elective Course | 8 |
| 7. SEMESTER | | |
| IE403 | Quality Planning and Control | 5 |
| IE421 | Facilities Design and Planning | 5 |
| IE425 | EngineeringEconomyandCost Analysis | 5 |
| IE435 | New Product-Service&Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE499 | Graduation Project | 5 |
| TOPLAM | | |
| | | 116 |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| ME240 | IE141 | ME203 | IE201 | Non-Technical Elective | Non-Technical Elective |
| ME205 | IE143 | MATH255 | MATH255 | ME208 | Elective Course |
| EP105 | EP105 | ME215 | ME215 | ME304 | Elective Course |
| FE103 | FE103 | HIST200 | HIST201 | Non-Technical Elective | Non-Technical Elective |
| LENG101 | L.Eng.101 | MATH256 | MATH256 | İNF 398 | İNF 398 |
| MATH151 | MATH151 | HIST201 | HIST202 | ME 400 | IE400 |
| TURK100 | TURK101 | | | | |
| TDP101 | TDP101 | | | | |
| ME240 | IE142 | | | | |
| EP106 | EP106 | | | | |
| LENG102 | L.Eng.102 | | | | |
| MATH152 | MATH152 | | | | |

| | | | | | |
|-----------------|-----------------|--|--|--|--|
| ME113 | ME101 | | | | |
| TURK101 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Ders Kodu | Ders Adı | AKTS |
|--------------------|--|------------|
| 1. SEMESTER | | |
| IE161 | IntroductiontoIndustrialEngineering | 3 |
| 2.SEMESTER | | |
| IE178 | Technical andProfesionalComposition | 3 |
| 3. SEMESTER | | |
| ME215 | EngineeringMaterials I | 5 |
| IE201 | IntroductiontoManufacturingProcesses | 6 |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science,TechnologyandSociety | 4 |
| 4. SEMESTER | | |
| IE210 | Int.toSys. andMath.ModelingforIndustrialEng. | 5 |
| IE218 | Database Management | 5 |
| IE222 | Principles of Economics II | 4 |
| IE226 | IntroductiontoStatistics | 5 |
| IE228 | Work Analysis and Design | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE325 | Operations Management | 4 |
| IE327 | Management forEngineers | 5 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 1 adet | Elective Course | 4 |
| 7. SEMESTER | | |
| IE403 | Quality Planning and Control | 5 |
| IE421 | Facilities Design and Planning | 5 |
| IE425 | EngineeringEconomyandCost Analysis | 5 |
| IE435 | New Product-Service&Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE499 | Graduation Project | 5 |
| IE399 | SummerPractice | 2 |
| 8. SEMESTER | | |
| TOPLAM | | 120 |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| TE241 | IE141 | TE205 | IE205 | Non-Technical Elective | Non-Technical Elective |
| TE131 | IE143 | MATH255 | MATH255 | Elective Course | Elective Course |

| | | | | | |
|-----------------|-----------------|---------|---------|------------------------|------------------------|
| EP105 | EP105 | HIST201 | HIST201 | Elective Course | Elective Course |
| FE101 | FE103 | MATH256 | MATH256 | Non-Technical Elective | Non-Technical Elective |
| LENG101 | L.Eng.101 | HIST202 | HIST202 | İNF398 | İNF398 |
| MATH151 | MATH151 | | | TEO400 | IE400 |
| TURK101 | TURK101 | | | TE332 | Elective Course |
| TDP101 | TDP101 | | | | |
| TE241 | IE142 | | | | |
| EP106 | EP106 | | | | |
| LENG102 | L.Eng.102 | | | | |
| MATH152 | MATH152 | | | | |
| ME101 | ME101 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Ders Kodu | Ders Adı | AKTS |
|--------------------|---|------------|
| 1. SEMESTER | | |
| IE161 | Introduction to Industrial Engineering | 3 |
| 2. SEMESTER | | |
| IE142 | Computer Programing II | 3 |
| IE178 | Technical and Profesional Composition | 3 |
| 3. SEMESTER | | |
| IE201 | Introduction to Manufacturing Processes | 6 |
| IE205 | Introduction to Probability | 5 |
| MATH255 | Linear Algebra | 4 |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science,Technology and Society | 4 |
| 4. SEMESTER | | |
| IE210 | Int.to Sys. and Math.Modeling for Industrial Eng. | 5 |
| IE218 | Database Management | 5 |
| IE222 | Principles of Economics II | 4 |
| IE228 | Work Analysis and Design | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE327 | Management for Engineers | 5 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 1 adet | Elective Course | 4 |
| 7. SEMESTER | | |
| IE421 | Facilities Design and Planning | 5 |
| IE425 | Engineering Economy and Cost Analysis | 5 |
| IE435 | New Product-Service&Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE499 | Graduation Project | 5 |
| TOPLAM | | 111 |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EEE241 | IE141 | FE243 | IE226 | FE322 | IE325 |
| FE113 | IE143 | MATH256 | MATH256 | Non-Technical Elective | Non-Technical Elective |
| EP116 | EP105 | HIST202 | HIST202 | FE224 | Elective Course |
| FE111 | FE103 | FE221 | ME215 | Non-Technical Elective | Non-Technical Elective |
| LENG101 | L.Eng.101 | HIST201 | HIST201 | FE218 | Elective Course |
| MATH151 | MATH151 | | | İNF 398 | İNF 398 |
| TURK 101 | TURK101 | | | FE376 | IE403 |
| TDP101 | TDP101 | | | FE400 | IE400 |
| LENG102 | L.Eng.102 | | | FE382 | Elective Course |
| MATH152 | MATH152 | | | FE299 | IE399 |
| ME101 | ME101 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| LENG102 | L.Eng.102 | | | | |
| Common Elective | Common Elective | | | | |
| EP116 | EP106 | | | | |

OPTİK VE AKUSTİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| DersKodu | DersAdı | AKTS |
|--------------------|---|------|
| 1. SEMESTER | | |
| IE161 | Introduction to Industrial Engineering | 3 |
| 2. SEMESTER | | |
| IE178 | Technical and Profesional Composition | 3 |
| 3. SEMESTER | | |
| IE201 | Introduction to Manufacturing Processes | 6 |
| IE205 | Introduction to Probability | 5 |
| MATH255 | Differential Equations | 4 |
| IE221 | Principles of Economics I | 4 |
| IE275 | Science, Technology and Society | 4 |
| 4. SEMESTER | | |
| IE210 | Int.to Sys. and Math.Modeling for Industrial Eng. | 5 |
| IE218 | Database Management | 5 |
| IE222 | Principles of Economics II | 4 |
| IE226 | Introduction to Statistics | 5 |
| IE228 | Work Analysis and Design | 5 |
| 5. SEMESTER | | |
| IE321 | Operations Research I | 5 |
| IE323 | Industrial Design and Human Factors | 5 |
| IE327 | Management for Engineers | 5 |
| IE325 | Operations Management | 4 |
| 6. SEMESTER | | |
| IE322 | Operations Research II | 5 |
| IE324 | Production Planning | 4 |
| IE326 | Simulation | 5 |
| IE328 | Management Information Systems | 4 |
| 7. SEMESTER | | |

| | | |
|--------|--|------------|
| IE421 | Facilities Design and Planning | 5 |
| IE425 | Engineering Economy and Cost Analysis | 5 |
| IE435 | New Product-Service&Business Development | 4 |
| IE437 | Technology Management | 4 |
| IE403 | Quality Planning and Control | 5 |
| IE499 | Graduation Project | 5 |
| TOPLAM | | 118 |

MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| OPAC112 | IE141 | OPAC209 | MATH256 | Non-Technical Elective | Non-Technical Elective |
| EP112 | IE143 | OPAC211 | ME215 | Non-Technical Elective | Non-Technical Elective |
| EP109 | EP105 | HIST201 | HIST201 | Elective Course | Elective Course |
| FE103 | FE103 | HIST202 | HIST202 | Elective Course | Elective Course |
| LENG101 | L.Eng.101 | | | OPAC400 | IE400 |
| MATH151 | MATH151 | | | İNF 398 | İNF 398 |
| TURK101 | TURK101 | | | | |
| TDP101 | TDP101 | | | | |
| OPAC215 | IE142 | | | | |
| EP110 | EP106 | | | | |
| LENG102 | L.Eng.102 | | | | |
| MATH152 | MATH152 | | | | |
| OPAC108 | ME101 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

7. TEKSTİL MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI

ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|---------|-----------------------------|------|
| TE 120 | Fiber toFabric | 5 |
| 2.DÖNEM | | |
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |
| 3.DÖNEM | | |
| TE 208 | Statics | 2 |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 224 | Strength of Materials | 2 |
| TE 220 | KnittingTechnology | 5 |
| TE 230 | WeavingTechnology I | 5 |
| TE 240 | YarnManufacturing II | 5 |
| 5.DÖNEM | | |
| TE 301 | Mechanisms | 2 |
| TE 321 | Machine Elements | 3 |
| TE 351 | WeavingTechnology II | 5 |
| TE 352 | Nonwoven | 5 |

| | | |
|----------------|---------------------------------------|-----|
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-MadeClothing | 5 |
| TE 363 | TextileFinishing | 5 |
| 6.DÖNEM | | |
| TE 331 | Introduction to Mechatronic | 2 |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 332 | Quality Control in TextileEngineering | 4 |
| TE 353 | Fabric Design | 4 |
| TE 398 | Graduation Project I | 2 |
| 1 adet | Elective Course | 5 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 107 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | EEE 283 | TE 205 | EEE 352 | TE 445 |
| EP 103 | EP 105 | EEE 285 | Math 256 | | |
| FE 101 | FE 101 | HIST 100 | HIST 201 | | |
| EEE 100 | TE 131 | EEE 242 | TE 241 | | |
| L. ENG 101 | L. ENG 101 | HIST 200 | HIST 202 | | |
| TURK 100 | TURK 101 | EEE 190 | TE 208 | | |
| TDP 101 | TDP 101 | | | | |
| Math 152 | Math 152 | | | | |
| EP 104 | EP 106 | | | | |
| L. ENG 102 | L. ENG 102 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 200 | TURK 102 | | | | |
| Common Elective | Common Elective | | | | |
| | | | | | |
| | | | | | |

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|----------------|-----------------------------|------|
| TE 120 | Fiber toFabric | 5 |
| 2.DÖNEM | | |
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |
| 3.DÖNEM | | |
| TE 208 | Statics | 2 |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 224 | Strength of Materials | 2 |

| | | |
|----------------|--|-----|
| TE 220 | Knitting Technology | 5 |
| TE 230 | Weaving Technology I | 5 |
| TE 240 | Yarn Manufacturing II | 5 |
| 5.DÖNEM | | |
| TE 301 | Mechanisms | 2 |
| TE 321 | Machine Elements | 3 |
| TE 351 | Weaving Technology II | 5 |
| TE 352 | Nonwoven | 5 |
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-Made Clothing | 5 |
| TE 363 | Textile Finishing | 5 |
| 6.DÖNEM | | |
| TE 331 | Introduction to Mechatronic | 2 |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 332 | Quality Control in Textile Engineering | 4 |
| TE 353 | Fabric Design | 4 |
| TE 398 | Graduation Project I | 2 |
| 2 adet | Elective Course | 10 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 112 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | Math 255 | Math 255 | IE 499 | TE 398 |
| EP 105 | EP 105 | ME 101 | ME 101 | | TE 498 |
| FE 103 | FE 101 | IE 141 | TE 241 | | |
| IE 143 | TE 131 | HIST 201 | HIST 201 | | |
| L. ENG 101 | L. ENG 101 | Math 256 | Math 256 | | |
| TURK 101 | TURK 101 | IE 205 | TE 205 | | |
| TDP 101 | TDP 101 | HIST 202 | HIST 202 | | |
| Math 152 | Math 152 | | | | |
| EP 106 | EP 106 | | | | |
| L. ENG 102 | L. ENG 102 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| Common Elective | Common Elective | | | | |

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|----------------|-----------------------------|------|
| TE 120 | Fiber to Fabric | 5 |
| 2.DÖNEM | | |
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |

| 3.DÖNEM | | |
|----------------|---------------------------------------|-----|
| TE 208 | Statics | 2 |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 205 | IntroductiontoProbability | 5 |
| TE 220 | KnittingTechnology | 5 |
| TE 230 | WeavingTechnology I | 5 |
| TE 240 | YarnManufacturing II | 5 |
| 5.DÖNEM | | |
| TE 301 | Mechanisms | 2 |
| TE 321 | Machine elements | 3 |
| TE 351 | WeavingTechnology II | 5 |
| TE 352 | Nonwoven | 5 |
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-MadeClothing | 5 |
| TE 363 | TextileFinishing | 5 |
| 6.DÖNEM | | |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 331 | IntroductiontoMechatronic | 2 |
| TE 332 | Quality Control in TextileEngineering | 4 |
| TE 353 | Fabric Design | 4 |
| TE 398 | Graduation Project I | 2 |
| 2 adet | Elective Course | 10 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 115 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | EP 2220 | Math 255 | EP 353 | TE 443 |
| FE 103 | FE 101 | ME 101 | ME 101 | | TE 398 |
| EP 112 | TE 131 | EP 241 | TE 241 | EP 499 | TE 498 |
| L. ENG 101 | L. ENG 101 | EP 252 | TE 204 | | |
| TURK 101 | TURK 101 | HIST 201 | HIST 201 | | |
| TDP 101 | TDP 101 | EP 219 | Math 256 | | |
| Math 152 | Math 152 | HIST 202 | HIST 202 | | |
| L. ENG 102 | L. ENG 102 | EP 111 | TE 301 | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| Common Elective | Common Elective | | | | |

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|----------------|----------------|-------------|
| TE 120 | Fiber toFabric | 5 |

| 2.DÖNEM | | |
|----------------|---------------------------------------|-----|
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |
| 3.DÖNEM | | |
| TE 208 | Statics | 2 |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 224 | Strength | 2 |
| TE 220 | KnittingTechnology | 5 |
| TE 240 | YarnManufacturing II | 5 |
| TE 230 | WeavingTechnology I | 5 |
| 5.DÖNEM | | |
| TE 301 | Mechanisms | 2 |
| TE 321 | Machine Elements | 3 |
| TE 351 | WeavingTechnology II | 5 |
| TE 352 | Nonwoven | 5 |
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-MadeClothing | 5 |
| TE 363 | TextileFinishing | 5 |
| 6.DÖNEM | | |
| TE 331 | IntroductiontoMechatronics | 2 |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 353 | Fabric Design | 4 |
| TE 332 | Quality Control in TextileEngineering | 4 |
| TE 398 | Graduation Project I | 2 |
| 1 adet | Elective Course | 5 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 107 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | ME 101 | ME 101 | FE 321 | TE 443 |
| FE 111 | FE 101 | EEE 241 | TE 241 | FE 499 | TE 398 |
| FE 113 | TE 131 | FE 224 | TE 204 | | TE 498 |
| L. ENG 101 | L. ENG 101 | HIST 201 | HIST 201 | | |
| TURK 101 | TURK 101 | Math 256 | Math 256 | | |
| TDP 101 | TDP 101 | FE 243 | TE 205 | | |
| Math 152 | Math 152 | FE 222 | TE 232 | | |
| EP 116 | EP 106 | HIST 200 | HIST 202 | | |
| L. ENG 102 | L. ENG 102 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| Common Elective | Common Elective | | | | |

İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN 1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|----------------|---------------------------------------|-------------|
| TE 120 | Fiber toFabric | 5 |
| 2.DÖNEM | | |
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |
| 3.DÖNEM | | |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 220 | KnittingTechnology | 5 |
| TE 230 | WeavingTechnology I | 5 |
| TE 240 | YarnManufacturing II | 5 |
| 5.DÖNEM | | |
| TE 301 | Mechanisms | 2 |
| TE 321 | Machine Elements | 3 |
| TE 351 | WeavingTechnology II | 5 |
| TE 352 | Nonwoven | 5 |
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-MadeClothing | 5 |
| TE 363 | TextileFinishing | 5 |
| 6.DÖNEM | | |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 331 | IntroductiontoMechatronic | 2 |
| TE 332 | Quality Control in TextileEngineering | 4 |
| TE 353 | Fabric Design | 4 |
| TE 398 | Graduation Project I | 2 |
| 2 adet | Elective Course | 10 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 108 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | Math 255 | Math 255 | CE499 | TE 398 |
| EP 105 | EP 105 | CE 101 | ME 101 | | TE 498 |
| FE 103 | FE 101 | CE 240 | TE 241 | | |
| CE 100 | TE 131 | CE 122 | TE 208 | | |
| L. ENG 101 | L. ENG 101 | HIST 201 | HIST 201 | | |
| TURK 101 | TURK 101 | Math 256 | Math 256 | | |
| TDP 101 | TDP 101 | CE 214 | TE 205 | | |
| Math 152 | Math 152 | CE 272 | TE 232 | | |
| EP 106 | EP 106 | HIST 202 | HIST 202 | | |
| L. ENG 102 | L. ENG 102 | CE 223 | TE 301 | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| Common Elective | Common Elective | | | | |

MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|---------|--|----------|
| TE 120 | Fiber toFabric | 5 |
| 2.DÖNEM | | |
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |
| 3.DÖNEM | | |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 205 | Introduction to Probability and Statistics | 5 |
| TE 220 | KnittingTechnology | 5 |
| TE 230 | WeavingTechnology I | 5 |
| TE 240 | YarnManufacturing II | 5 |
| 5.DÖNEM | | |
| TE 351 | WeavingTechnology II | 5 |
| TE 352 | Nonwoven | 5 |
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-MadeClothing | 5 |
| TE 363 | TextileFinishing | 5 |
| 6.DÖNEM | | |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 332 | Quality Control in TextileEngineering | 4 |
| TE 353 | Fabric Design | 4 |
| TE 398 | Graduation Project I | 2 |
| 2 adet | Elective Course | (5x2)=10 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 106 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | Math 255 | Math 255 | ME 371 | TE 232 |
| EP 105 | EP 105 | ME 113 | ME 101 | ME 301 | TE 301 |
| FE 103 | FE 101 | ME 240 | TE 241 | ME 307 | TE 321 |
| ME 205 | TE 131 | ME 204 | TE 204 | ME 427 | TE 424 |
| L. ENG 101 | L. ENG 101 | ME 108 | TE 208 | ME 499 | TE 398 |
| TURK 100 | TURK 101 | HIST 200 | HIST 201 | | TE 498 |
| TDP 101 | TDP 101 | Math 256 | Math 256 | | |
| Math 152 | Math 152 | ME 223 | TE 224 | | |
| EP 106 | EP 106 | HIST 201 | HIST 202 | | |
| L. ENG 102 | L. ENG 102 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 101 | TURK 102 | | | | |

| | | | | | |
|-----------------|-----------------|--|--|--|--|
| Common Elective | Common Elective | | | | |
|-----------------|-----------------|--|--|--|--|

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ OPTİK VE AKUSTİK MÜHENDİSLİĞİ PROGRAMI
ÖĞRENCİLERİNİN

1. ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| 1.DÖNEM | | AKTS |
|---------|---------------------------------------|------|
| TE 120 | Fiber toFabric | 5 |
| 2.DÖNEM | | |
| TE 112 | Fiber Science I | 5 |
| TE 121 | Fiber and Polymer Chemistry | 5 |
| 3.DÖNEM | | |
| TE 208 | Statics | 2 |
| TE 211 | YarnManufacturing I | 5 |
| TE 221 | Fiber Science II | 5 |
| 4.DÖNEM | | |
| TE 205 | IntroductiontoProbability | 5 |
| TE 224 | Strength of Materials | 2 |
| TE 220 | KnittingTechnology | 5 |
| TE 230 | WeavingTechnology I | 5 |
| TE 240 | YarnManufacturing II | 5 |
| 5.DÖNEM | | |
| TE 301 | Mechanisms | 2 |
| TE 321 | Machine Elements | 3 |
| TE 351 | WeavingTechnology II | 5 |
| TE 352 | Nonwoven | 5 |
| TE 361 | Dyeing Technology and Machinery | 5 |
| TE 333 | Ready-MadeClothing | 5 |
| TE 363 | TextileFinishing | 5 |
| 6.DÖNEM | | |
| TE 331 | Introduction to Mechatronic | 2 |
| TE 362 | Printing Technology and Machinery | 4 |
| TE 332 | Quality Control in TextileEngineering | 4 |
| TE 353 | Fabric Design | 4 |
| TE 398 | Graduation Project I | 2 |
| 2 adet | Elective Course | 10 |
| 7.DÖNEM | | |
| TE 498 | Graduation Project II | 2 |
| 2 adet | Elective Courses | 10 |
| | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER | ALDIĞI DERSLER | MUAF SAYILAN DERSLER |
| Math 151 | Math 151 | OPAC 112 | TE 241 | | TE 398 |
| EP 109 | EP 105 | HIST 201 | HIST 201 | OPAC 499 | TE 498 |
| FE 103 | FE 101 | HIST 202 | HIST 202 | | |
| EP 112 | TE 131 | | | | |
| L. ENG 101 | L. ENG 101 | | | | |

| | | | | | |
|-----------------|-----------------|--|--|--|--|
| TURK 101 | TURK 101 | | | | |
| TDP 101 | TDP 101 | | | | |
| Math 152 | Math 152 | | | | |
| EP 110 | EP 106 | | | | |
| L. ENG 102 | L. ENG 102 | | | | |
| TDP 102 | TDP 102 | | | | |
| TURK 102 | TURK 102 | | | | |
| Common Elective | Common Elective | | | | |

8. OPTİK ve AKUSTİK MÜH. BÖL. ÇİFT ANADAL PROGRAMLARI

FİZİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN 1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|--|------|
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108 | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC201 | Physical and Modern Optics | 4 |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC207 | Optoelectronics and Photonics - I | 4 |
| OPAC211 | Optical and Acoustical Materials | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice* | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC208 | Optoelectronics and Photonics - II | 5 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305 | Environmental and Industrial Noise Control-I | 6 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306 | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |

| | | |
|-----------------------------------|-------------------------|-----------|
| OPAC312 | Architectural Acoustics | 5 |
| 7.DÖNEM | | |
| Toplam ALMASI Gerekli AKTS | | 86 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| EP118 | OPAC101 | EP215 | OPAC205 | EP331 | OPAC307 |
| LENG101 | LENG101 | EP219 | OPAC209 | Non-T.E. | Non-T.E. |
| EP111 | EP109 | HIST201 | HIST201 | EP*** (T.E.) | OPAC*** (T.E.) |
| MATH151 | MATH151 | EP226 | OPAC212 | EP*** (T.E.) | OPAC*** (T.E.) |
| FE103 | FE103 | EP236 | OPAC214 | INF398 | INF398 |
| EP112 | EP112 | Non-T.E. | Non-T.E. | EP499 | OPAC499 |
| TURK101 | TURK101 | HIST202 | HIST202 | EP399 | OPAC399 |
| TDP101 | TDP101 | | | EP*** (T.E.) | OPAC*** (T.E.) |
| LENG102 | LENG102 | | | EP*** (T.E.) | OPAC*** (T.E.) |
| EP241 | OPAC112 | | | EP*** (T.E.) | OPAC*** (T.E.) |
| EP124 | OPAC110 | | | EP*** (T.E.) | OPAC*** (T.E.) |
| MATH152 | MATH152 | | | EP*** (T.E.) | OPAC*** (T.E.) |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |

Not-1: Optik ve Akustik Mühendisliği Bölümü kataloğunda bulunan tüm teknik seçmeli dersler Fizik Mühendisliği Bölümü öğrencileri için eşdeğer teknik seçmeli ders olarak kabul edilir. Ayrıca Optik ve Akustik Mühendisliği Bölümünün kataloğunda bulunan aşağıdaki zorunlu dersler Fizik Mühendisliği bölümü öğrencileri için teknik seçmeli ders olarak kabul edilir.

| |
|---------|
| OPAC102 |
| OPAC201 |
| OPAC207 |
| OPAC211 |
| OPAC215 |
| OPAC202 |
| OPAC206 |
| OPAC208 |
| OPAC210 |
| OPAC216 |
| OPAC301 |
| OPAC303 |
| OPAC305 |
| OPAC309 |
| OPAC304 |
| OPAC306 |
| OPAC308 |

Not-2: Her iki bölümün kataloğunda mevcut olan bire bir teknik seçmeli eşdeğer dersler. Fizik Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

| EP ve OPAC ARASINDA EŞDEĞER SEÇMELİ DERSLER |
|---|
| EP383 = OPAC407 |
| EP227 = OPAC410 |
| EP312 = OPAC412 |
| EP486 = OPAC422 |

**MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ**

| Dersin Kodu | 1.DÖNEM | AKTS |
|-----------------------------------|--|-------------|
| OPAC101 | Introduction to Optics | 4 |
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108* | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC201 | Physical and Modern Optics | 4 |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC207 | Optoelectronics and Photonics - I | 4 |
| OPAC211 | Optical and Acoustical Materials | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice* | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC208 | Optoelectronics and Photonics - II | 5 |
| OPAC212 | Analog Electronics | 4 |
| OPAC214 | Electronics Laboratory | 1 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305** | Environmental and Industrial Noise Control-I | 6 |
| OPAC307 | Electromagnetic Fields and Waves | 5 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306 | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |
| OPAC312 | Architectural Acoustics | 5 |
| 7.DÖNEM | | |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 120 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|---------------------|--------------------------|---------------------|-----------------------------------|---------------------|
| ALDIĞI DESRLER | MUAF SAYILAN | ALDIĞI DESRLER | MUAF SAYILAN | ALDIĞI DESRLER | MUAF SAYILAN |

| | DESRLER | | DESRLER | | DESRLER |
|-----------------|-----------------|----------|----------|----------|----------------|
| LENG101 | LENG101 | ME211 | OPAC205 | Non-T.E. | Non-T.E. |
| EP10 | EP109 | MATH256 | OPAC209 | ME204 | OPAC*** (T.E.) |
| MATH151 | MATH151 | HIST201 | HIST201 | ME215 | OPAC*** (T.E.) |
| FE103 | FE103 | Non-T.E. | Non-T.E. | INF398 | INF398 |
| ME103 | EP112 | HIST202 | HIST202 | ME399 | OPAC399 |
| TURK101 | TURK101 | | | ME499 | OPAC499 |
| TDP101 | TDP101 | | | ME223 | OPAC*** (T.E.) |
| LENG102 | LENG102 | | | ME400 | OPAC400 |
| ME240 | OPAC112 | | | | |
| EP106 | EP110 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |

*Makine Mühendisliği Bölümünden ME475 Computer Aided Design and Drafting dersini alan öğrenciler OPAC108 Computer Aided Drawing dersinden muaf sayılacaktır.

**Makine Mühendisliği Bölümünden ME402 Industrial Noise and Vibrational Kontrol teknik seçmeli dersini alan öğrenciler OPAC308 dersinden muaf sayılacaktır.

Not-1: Her iki bölümün kataloğunda mevcut olan eşdeğer dersler. Makine Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC ve ME ARASINDA EŞDEĞER SEÇMELİ DERSLER

OPAC465 = ME460

Not-2: Makine Mühendisliği Bölümünde aşağıdaki zorunlu yada teknik seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

OPAC*** = ME216

OPAC*** = ME303

OPAC*** = ME304

OPAC*** = ME307

OPAC*** = ME308

OPAC*** = ME371

OPAC*** = ME372

OPAC*** = ME408

OPAC*** = ME419

OPAC*** = ME429

OPAC*** = ME435

OPAC*** = ME444

OPAC*** = ME445

OPAC*** = ME446

OPAC*** = ME470

OPAC*** = ME471

OPAC*** = ME472

OPAC*** = ME498

ELEKTRİK ve ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN 1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|-------------|------------------------|------|
| OPAC101 | Introduction to Optics | 4 |

| | | |
|-----------------------------------|--|------------|
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108 | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC211 | Optical and Acoustical Materials | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305 | Environmental and Industrial Noise Control-I | 6 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306* | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |
| OPAC312 | Architectural Acoustics | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| 7.DÖNEM | | |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 115 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| LENG101 | LENG101 | EEE291 | OPAC201 | EEE261 | OPAC307 |
| EP103 | EP109 | EEE201 | OPAC205 | Non-T.E. | Non-T.E. |
| MATH151 | MATH151 | EEE210 | OPAC207 | INF398 | INF398 |
| FE101 | FE103 | EEE285 | OPAC209 | EEE399 | OPAC399 |
| EEE100 | EP112 | HIST201 | HIST201 | EEE499 | OPAC499 |
| TURK101 | TURK101 | EEE311 | OPAC208 | EEE400 | OPAC400 |
| TDP101 | TDP101 | EEE312 | OPAC212 | | |
| LENG102 | LENG102 | EEE312 | OPAC214 | | |
| EEE145 | OPAC112 | Non-T.E. | Non-T.E. | | |

| | | | | | |
|-----------------|-----------------|---------|---------|--|--|
| EP104 | EP110 | HUST202 | HIST202 | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |

*Elektrik ve Elektronik Mühendisliği Bölümünden EEE433 Optical Fiber Communication dersini alan öğrenciler OPAC306 Optical Communication Systems dersinden muaf sayılacaktır.

Not-1: Her iki bölümün kataloğunda mevcut olan birebir eşdeğer dersler. Elektrik ve Elektronik Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC ve EEE ARASINDA EŞDEĞER SEÇMELİ DERSLER

OPAC412 = EEE417

OPAC410 = EEE340

OPAC422 = EEE342

OPAC422 = EEE448

OPAC404 = EEE330

OPAC404 = EEE436

OPAC414 = EEE445

Not-2: Elektrik ve Elektronik Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

OPAC*** = ME204

OPAC*** = EEE404

OPAC*** = EEE412

OPAC*** = EEE431

OPAC*** = EEE432

**İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ**

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|---------------------------------------|------|
| OPAC101 | Introduction to Optics | 4 |
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108 | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC201 | Physical and Modern Optics | 4 |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC205 | Electrical Circuit Analysis | 4 |
| OPAC207 | Optoelectronics and Photonics - I | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC208 | Optoelectronics and Photonics - II | 5 |
| OPAC212 | Analog Electronics | 4 |

| | | |
|-----------------------------------|--|------------|
| OPAC214 | Electronics Laboratory | 1 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305 | Environmental and Industrial Noise Control-I | 6 |
| OPAC307 | Electromagnetic Fields and Waves | 5 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306 | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |
| OPAC312 | Architectural Acoustics | 5 |
| 7.DÖNEM | | |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC399 | Summer Practice | 2 |
| Toplam ALMASI Gerekli AKTS | | 117 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| LENG101 | LENG101 | MATH256 | OPAC209 | Non-T.E. | Non-T.E. |
| EP105 | EP109 | CE241 | OPAC211 | CE214 | OPAC*** (T.E.) |
| MATH151 | MATH151 | HIST201 | HIST201 | CE272 | OPAC*** (T.E.) |
| FE103 | FE103 | Non-T.E. | Non-T.E. | INF398 | INF398 |
| CE100 | EP112 | HIST202 | HIST202 | CE364 | OPAC*** (T.E.) |
| TURK101 | TURK101 | | | CE331 | OPAC*** (T.E.) |
| TDP101 | TDP101 | | | CE499 | OPAC499 |
| LENG102 | LENG102 | | | CE400 | OPAC400 |
| CE209 | OPAC112 | | | | |
| EP106 | EP110 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

Not: İnşaat Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

OPAC*** = ME204

OPAC*** = CE439

OPAC*** = CE433

OPAC*** = CE406

OPAC*** = CE272

ENDÜSTİ MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN 1-ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|-----------------------------------|--|-------------|
| OPAC101 | Introduction to Optics | 4 |
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108 | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC201 | Physical and Modern Optics | 4 |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC205 | Electrical Circuit Analysis | 4 |
| OPAC207 | Optoelectronics and Photonics - I | 4 |
| OPAC211 | Optical and Acoustical Materials | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC208 | Optoelectronics and Photonics - II | 5 |
| OPAC212 | Analog Electronics | 4 |
| OPAC214 | Electronics Laboratory | 1 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305 | Environmental and Industrial Noise Control-I | 6 |
| OPAC307 | Electromagnetic Fields and Waves | 5 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306 | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |
| OPAC312 | Architectural Acoustics | 5 |
| 7.DÖNEM | | |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 114 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|-------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------------|-----------------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| LENG101 | LENG101 | MATH256 | OPAC209 | Non-T.E. | Non-T.E. |
| EP105 | EP109 | HIST201 | HIST201 | IE201 | OPAC*** (T.E.) |
| MATH151 | MATH151 | Non-T.E. | Non-T.E. | IE205 | OPAC*** (T.E.) |
| FE103 | FE103 | HIST202 | HIST202 | INF398 | INF398 |
| IE143 | EP112 | | | IE221 | OPAC*** (T.E.) |

| | | | | | |
|-----------------|-----------------|--|--|-------|----------------|
| TURK101 | TURK101 | | | IE222 | OPAC*** (T.E.) |
| TDP101 | TDP101 | | | IE323 | OPAC*** (T.E.) |
| LENG102 | LENG102 | | | IE399 | OPAC399 |
| IE141 | OPAC112 | | | CE499 | OPAC499 |
| EP106 | EP110 | | | CE400 | OPAC400 |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| Common Elective | Common Elective | | | | |

Not: Endüstri Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

OPAC*** = IE142

**TEKSTİL MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN
1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ**

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|--|------|
| OPAC101 | Introduction to Optics | 4 |
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108 | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC201 | Physical and Modern Optics | 4 |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC205 | Electrical Circuit Analysis | 4 |
| OPAC207 | Optoelectronics and Photonics - I | 4 |
| OPAC211 | Optical and Acoustical Materials | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC208 | Optoelectronics and Photonics - II | 5 |
| OPAC212 | Analog Electronics | 4 |
| OPAC214 | Electronics Laboratory | 1 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305 | Environmental and Industrial Noise Control-I | 6 |
| OPAC307 | Electromagnetic Fields and Waves | 5 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306 | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |

| | | |
|-----------------------------------|-------------------------|------------|
| OPAC312 | Architectural Acoustics | 5 |
| 7.DÖNEM | | |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 119 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| LENG101 | LENG101 | MATH256 | OPAC209 | Non-T.E. | Non-T.E. |
| EP105 | EP109 | HIST201 | HIST201 | TE204 | OPAC*** (T.E.) |
| MATH151 | MATH151 | Non-T.E. | Non-T.E. | TE205 | OPAC*** (T.E.) |
| FE101 | FE103 | HIST202 | HIST202 | INF398 | INF398 |
| TE131 | EP112 | | | TE232 | OPAC*** (T.E.) |
| TURK101 | TURK101 | | | TE331 | OPAC*** (T.E.) |
| TDP101 | TDP101 | | | TE398 | OPAC399 |
| LENG102 | LENG102 | | | TE498 | OPAC499 |
| TE241 | OPAC112 | | | TE400 | OPAC400 |
| EP106 | EP110 | | | | |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |
| TDP102 | TDP102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| | | | | | |

Not: Tekstil Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir.

OPAC'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER

OPAC*** = TE423

OPAC*** = TE443

OPAC*** = TE451

GIDA MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİNİN

1.ALMASI GEREKEN DERS VE KREDİ LİSTESİ

| Dersin Kodu | 1.DÖNEM | AKTS |
|----------------|-----------------------------|------|
| OPAC101 | Introduction to Optics | 4 |
| OPAC103 | Geometric Optics Laboratory | 1 |
| 2.DÖNEM | | |
| OPAC102 | Introduction to Acoustics | 3 |

| | | |
|-----------------------------------|--|------------|
| OPAC104 | Acoustic Laboratory | 1 |
| OPAC108 | Computer Aided Drawing | 2 |
| 3.DÖNEM | | |
| OPAC201 | Physical and Modern Optics | 4 |
| OPAC203 | Physical and Modern Optics Laboratory | 1 |
| OPAC205 | Electrical Circuit Analysis | 4 |
| OPAC207 | Optoelectronics and Photonics - I | 4 |
| OPAC211 | Optical and Acoustical Materials | 4 |
| OPAC215 | Software for Engineers-I | 4 |
| OPAC199 | Visual Optics Summer Practice | 1 |
| 4.DÖNEM | | |
| OPAC202 | Optical Instrumentation and Design-I | 6 |
| OPAC206 | Ultrasonic and Applications | 5 |
| OPAC208 | Optoelectronics and Photonics - II | 5 |
| OPAC212 | Analog Electronics | 4 |
| OPAC214 | Electronics Laboratory | 1 |
| OPAC216 | Software for Engineers-II | 4 |
| 5.DÖNEM | | |
| OPAC301 | Optical Instrumentation and Design-II | 5 |
| OPAC303 | Illumination Engineering and Design-I | 6 |
| OPAC305 | Environmental and Industrial Noise Control-I | 6 |
| OPAC307 | Electromagnetic Fields and Waves | 5 |
| OPAC309 | Sound Systems and Design | 5 |
| 6.DÖNEM | | |
| OPAC304 | Fiber Optics and Applications | 4 |
| OPAC306 | Optical Communication Systems | 4 |
| OPAC308 | Digital Image and Sound Processing | 5 |
| OPAC310 | Advanced Optics and Acoustics Laboratory | 1 |
| OPAC312 | Architectural Acoustics | 5 |
| 7.DÖNEM | | |
| OPAC*** | Technical Elective | 5 |
| OPAC*** | Technical Elective | 5 |
| Toplam ALMASI Gerekli AKTS | | 115 |

2. MUAF TUTULAN DERS VE KREDİ LİSTESİ

| I.SINIF DERSLERİ | | II.SINIF DERSLERİ | | III. VE IV. SINIF DERSLERİ | |
|------------------|----------------------|-------------------|----------------------|----------------------------|----------------------|
| ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER | ALDIĞI DESRLER | MUAF SAYILAN DESRLER |
| LENG101 | LENG101 | MATH256 | OPAC209 | Non-T.E. | Non-T.E. |
| EP116 | EP109 | HIST201 | HIST201 | FE243 | OPAC*** (T.E.) |
| MATH151 | MATH151 | Non-T.E. | Non-T.E. | FE222 | OPAC*** (T.E.) |
| FE111 | FE103 | HIST202 | HIST202 | INF398 | INF398 |
| FE113 | EP112 | | | FE224 | OPAC*** (T.E.) |
| TURK101 | TURK101 | | | FE321 | OPAC*** (T.E.) |
| TDP101 | TDP101 | | | FE356 | OPAC*** (T.E.) |
| LENG102 | LENG102 | | | FE299 | OPAC399 |
| EEE241 | OPAC112 | | | FE499 | OPAC499 |
| EP116 | EP110 | | | FE400 | OPAC400 |
| MATH152 | MATH152 | | | | |
| TURK102 | TURK102 | | | | |

| | | | | | |
|--|--------------------|--|--|--|--|
| TDP102 | TDP102 | | | | |
| COMMON ELECTİVE | COMMON ELECTİVE | | | | |
| Not: Gıda Mühendisliği Bölümünde aşağıdaki seçmeli derslerden alan öğrenciler Optik ve Akustik Mühendisliği Bölümünde teknik seçmeli ders almış kabul edilir. | | | | | |
| OPAC'da KABUL EDİLECEK TEKNİK SEÇMELİ DERSLER | | | | | |
| OPAC*** = FE315 | | | | | |
| OPAC*** = FE231 | | | | | |