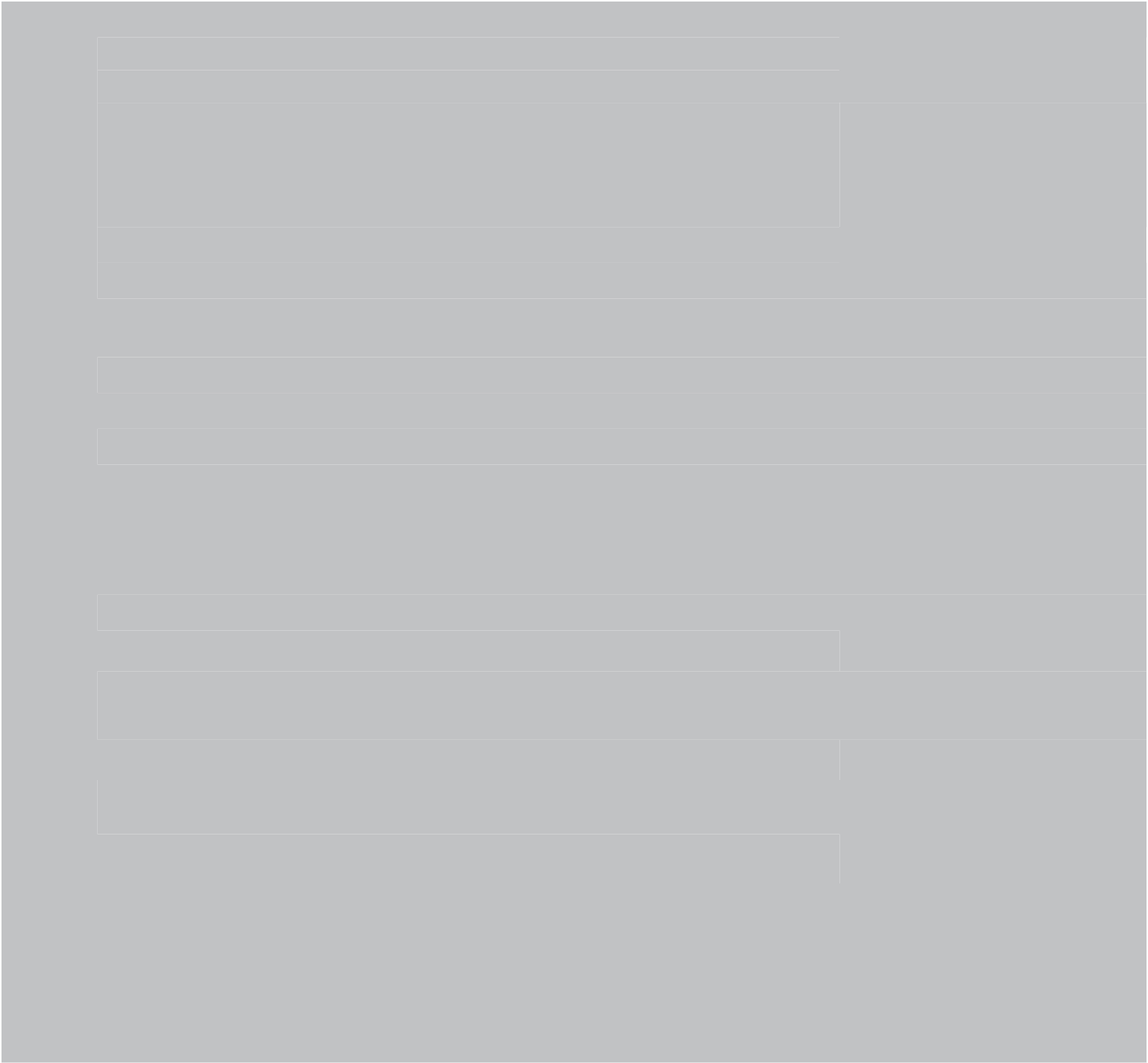


**B.S. in Mechanical Engineering
2020-21 Catalog**

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TECHNICAL ELECTIVE (choose 1 for 3-4 credits)

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|-----------------------|--------------|--------------------------------|-----|--------|--|
| Technical Elective | BIOL 2320/25 | Human Anatomy/Lab | 3/1 | F/S/Su | BIOL 1610 |
| | ENGR 4000/05 | Mechatronics/Lab | 3/1 | S | ENGR 2030, 4030/35 |
| | ENGR 4050 | Structural Analysis | 3 | F | ENGR 2140/45 |
| | ENGR 4600 | Electromagnetics | 3 | S | PHYS 2220, MATH 2210, 2250, ENGR 2250, 2170 |
| | MATH 3250 | Complex Variables | 3 | S-Odd | MATH 2210 |
| | MATH 3600 | Numerical Analysis | 3 | S-Even | MATH 2250 & programming lan- guage |
| | MATH 3700 | Probability & Statistics | 4 | F/S/Su | MATH 1220 |
| | MATH 3800 | Partial Differential Equations | 3 | F-Odd | MATH 2210 and 2250 or 2280 |
| | PHYS 1040/45 | Elementary Astronomy/Lab | 3/1 | F/S/Su | |
| | PHYS 3310 | Quantum Physics I | 3 | F | PHYS 2210/15 & 2220/25 |
| | PHYS 3320 | Quantum Physics II | 3 | S | PHYS 3310 |