# Fort Hays State University

## BGS Mechanical and Electrical Technology
## Rate: EM Electrician's Mate

| Requirements | | SH | SOC CAT. | NAVY RATE/ Service School | CLEP / DSST | FHSU |
|---|---|---|---|---|---|---|
| **General Education 45 SH required** | | | | | | |
| **Foundation Skills** | | **9 SH** | | | | |
| MIS 101 | Introduction to Computer Information Systems | | | X | X | X |
| ENG 101 | English Composition I | | EN024B | | X | X |
| ENG 102 | English Composition II | | EN025B | | X | X |
| **Liberal Arts-Humanities 12 hrs required from at least 3 different departmnts** | | **12 SH** | | | | |
| **ART** | | | | | | |
| ART 180 | Fundamentals & Appreciation of Art | | | | | X |
| ART 280 | Approaches to Creativity | | | | | X |
| ART 380 | Survey of Art History | | FA001B | | | X |
| **Communication Studies** | | | | | | |
| COMM 100 | Fundamentals of Oral Communication | | | | X | X |
| COMM 120 | Introduction to Theatre | | | | | X |
| COMM 125 | Introduction to Motion Pictures | | | | | X |
| COMM 318 | Introduction to Organizational Communication | | MG303B | | | X |
| **English** | | | | | | |
| ENG 125 | World Lit/Human Experience | | | | | X |
| ENG 126 | Introduction to Literature | | EN026B | | | X |
| ENG 327 | Introduction to Fiction | | | | | X |
| **Interdisciplinary Studies** | | | | | | |
| IDS 325 | Ideal Societies in Fiction | | | | | X |
| IDS 326 | Literature & Environment | | | | | X |
| IDS 350 | Prin of Multiculturalism | | | | | X |
| IDS 400 | Bioethics | | | | | X |
| IDS 401 | Ethical Issues in the Professions and Business | | | | | X |
| **Modern Language** | | | | | | |
| MLNG 201 | Beginning French I | | | | X | X |
| MLNG 208 | Beginning German I | | | | X | X |
| MLNG 225 | Beginning Spanish I | | | | X | X |
| **Music** | | | | | | |
| MUS 161 | Listening to Music | | | | | X |
| MUS 291 | American Popular Music | | | | | X |
| MUS 391 | Jazz | | | | | X |
| **Philosophy** | | | | | | |
| PHIL 100 | General Logic | | PL080B | | | X |
| PHIL 120 | Introduction to Philosophy | | PL079B | | | X |

# Fort Hays State University

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|---|---|---|---|---|---|---|
| PHIL 340 | Introduction to Ethics | | PL081B | | X | X |
| **Liberal Arts-Natural Science/Mathematics 12 hrs required from at least 3 different departmnts** | | **12 SH** | | | | |
| **Biological Science** | | | | | | |
| BIOL 100 | General Biology | | | | X | X |
| BIOL 200 | Humans & the Evironment | | | | X | X |
| BIOL 230 | Human Anatomy & Physiology | | | | | X |
| BIOL 232 | Anatomy of Humans Lab | | | | | X |
| BIOL 234 | Physiology of Humans Lab | | | | | X |
| BIOL 300 | Heredity | | | | | X |
| **Chemistry** | | | | | | |
| CHEM 100 | Chemist's View of the World | | | | | X |
| CHEM 112 | General Chemistry I | | | | | X |
| CHEM 112L | General Chemistry I Lab | | | | | X |
| CHEM 114 | General Chemistry II | | | | | X |
| CHEM 114L | General Chemistry II Lab | | | | | X |
| CHEM 120 | Introductory Chemistry | | | | | X |
| CHEM 120L | Introductory Chemistry Lab | | | | | X |
| **Geosciences** | | | | | | |
| GSCI 100 | Introduction to Geology | | EA011B | | | X |
| GSCI 101 | Elements of Physical Geography | | | | | X |
| GSCI 110 | World Geography | | | | | X |
| GSCI 321 | United States Geography | | | | | X |
| GSCI 340 | Environmental Geology | | | | | X |
| **Interdisciplinary Studies** | | | | | | |
| IDS 402 | US Human Geography: Issues for the 21st Century | | | | | X |
| IDS 499 | Global Environmental Issue | | | | | X |
| **Mathematics** | | | | | | |
| MATH 101 | Liberal Arts Mathematics | | | | X | X |
| MATH 110 | College Algebra | | MH048B | | X | X |
| MATH 234 | Analytic Geometry & Calculus I | | MH055B | | X | X |
| MATH 250 | Elements of Statistics | | | | X | |
| MATH 331 | Calculus Methods | | | | | X |
| **Physics** | | | | | | |
| PHYS 102 | Physical Science | | | | X | X |
| PHYS 208 | Elementary Meteorology | | | | | X |
| PHYS 309 | Descriptive Astronomy | | | | X | X |
| **Liberal Arts-Social/Behavioral Sciences 12 hrs required from at least 3 different departmnts** | | **12 SH** | | | | |
| **Economics** | | | | | | |
| ECFI 201 | Principles of Economics: Micro | | EC301B | | X | X |
| ECFI 202 | Principles of Economics: Macro | | EC201B | | X | X |
| **History** | | | | | | |
| HIST 110 | World Civilization to 1500 | | HI579B | | | X |
| HIST 111 | Modern World Cvilization | | HI579B | | | X |

# Fort Hays State University

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|---|---|---|---|---|---|---|
| HIST 130 | United States History to 1877 | | | | X | X |
| HIST 131 | United States History Since 1877 | | | | X | X |
| **Interdisciplinary Studies** | | | | | | |
| IDS 300 | Economic Ideas & Current Issues | | | | | X |
| IDS 350 | Prin of Multiculturalism | | | | | X |
| **Political Science** | | | | | | |
| POLS 101 | American Government | | PO077B | | X | X |
| POLS 103 | State & Local Government | | PO087B | | | X |
| POLS 105 | Current Political Issues | | | | | X |
| POLS 230 | Introduction to International Relations | | | | | X |
| **Psychology** | | | | | | |
| PSY 100 | General Psychology | | PS101B | | X | X |
| PSY 300 | Abnormal Psychology | | | | | X |
| PSY 340 | Social Psychology | | PS301B | | | X |
| **Sociology** | | | | | | |
| SOC 140 | Introduction to Sociology | | SO001B | | X | X |
| SOC 145 | Intro to Antropology | | | | X | X |
| SOC 355 | Sociology of Death and Dying | | | | | X |
| SOC 388 | Sociology of The Family in America | | | | | X |
| **Area of Concentration 21 SH** | | **21 SH** | | | | |

https://www.navycollege.navy.mil/roadmaps/EM.aspx

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|---|---|---|---|---|---|
| **Open electives 58 SH** | **58 SH** | | X | X | X |
| **Total Hrs for degree.** | **124 SH** | | | | |

A minimum of 80 hrs liberal arts course work
A maximum of 40 hrs from one department
A minimum of GPA of 2.0
A minimum of 45 hrs upper division course work
A minimum of 60 hrs from a 4-year regionally accredited institution
A minimum of 30hrs course work must be taken from FHSU (on campus or on-line)