

MDS 386 BS Biomedical Physics Div A

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|---------|---|---------|
| Yr 1 FL | C PHY U100 Physics at NU | 1.0 SH |
| Yr 1 FL | C MTH U241 Calculus 1 for Sci/Engr | 4.0 SH |
| Yr 1 FL | C BIO U111 General Biology 1 Coreq(s): C BIO U112 | 4.0 SH |
| Yr 1 FL | C BIO U112 Lab for BIO U111 Coreq(s): C BIO U111 | 1.0 SH |
| Yr 1 FL | C ENG U111 College Writing | 4.0 SH |
| Yr 1 FL | C PHY U161 Physics 1 Coreq(s): C PHY U162 | 4.0 SH |
| Yr 1 FL | C PHY U162 Lab for PHY U161 Coreq(s): C PHY U161 | 1.0 SH |
| | Semester Subtotal | 19.0 SH |
| Yr 1 SP | C PHY U165 Physics 2 Coreq(s): C PHY U166 | 4.0 SH |
| Yr 1 SP | C PHY U166 Lab for PHY U165 Coreq(s): C PHY U165 | 1.0 SH |
| Yr 1 SP | A GE U111 Engr Prob Solv and Comp | 4.0 SH |
| Yr 1 SP | C MTH U242 Calculus 2 for Sci/Engr | 4.0 SH |
| Yr 1 SP | NU Core course or Elective | 4.0 SH |
| | Semester Subtotal | 17.0 SH |
| Yr 1 S1 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 1 S2 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 2 FL | C PHY U303 Modern Physics | 4.0 SH |
| Yr 2 FL | C CHM U211 General Chemistry 1 Coreq(s): C CHM U212 C CHM U213 | 4.0 SH |
| Yr 2 FL | C CHM U212 Lab for CHM U211 Coreq(s): C CHM U211 C CHM U213 | 1.0 SH |
| Yr 2 FL | C CHM U213 Recitation for CHM U211 Coreq(s): C CHM U211 C CHM U212 | 0.0 SH |
| Yr 2 FL | C PHY U372 Lab for PHY U371 Coreq(s): C PHY U371 | 0.0 SH |
| Yr 2 FL | C PHY U371 Electronics Coreq(s): C PHY U372 | 4.0 SH |
| Yr 2 FL | C MTH U341 Calculus 3 for Sci/Engr Coreq(s): C MTH U342 | 4.0 SH |
| | Semester Subtotal | 17.0 SH |
| Yr 2 SP | C PHY U305 Thermo & Statistical Mechanics | 4.0 SH |
| Yr 2 SP | C BIO U113 General Biology 2 Coreq(s): C BIO U114 | 4.0 SH |
| Yr 2 SP | C BIO U114 Lab for BIO U113 Coreq(s): C BIO U113 | 1.0 SH |
| Yr 2 SP | M COP U101 Professional Development Co-op | 1.0 SH |
| Yr 2 SP | NU Core course or Elective | 4.0 SH |
| Yr 2 SP | GE Undergraduate Elective | 4.0 SH |
| | Semester Subtotal | 18.0 SH |
| Yr 2 S1 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 2 S2 | CO-OP | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 3 FL | CO-OP | 0.0 SH |
| | Semester Subtotal | 0.0 SH |

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|---------|------------------------------------|---------|
| Yr 3 SP | C PHY U602 Electricity & Magnetism | 4.0 SH |
| Yr 3 SP | NU Core Course or Elective | 4.0 SH |
| Yr 3 SP | PHY Technical Elective | 4.0 SH |
| Yr 3 SP | NU Core course or Elective | 4.0 SH |
| | Semester Subtotal | 16.0 SH |

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|---------|---|--------|
| Yr 3 S1 | C PHY U603 ElectroMagnetic Waves & Optics | 4.0 SH |
| Yr 3 S1 | C PHY U600 Advanced Physics Lab 1 | 4.0 SH |
| | Semester Subtotal | 8.0 SH |

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| Yr 3 S2 | CO-OP | 0.0 SH |
| | Semester Subtotal | 0.0 SH |

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|---------|-------------------------|--------|
| Yr 4 FL | CO-OP | 0.0 SH |
| | Semester Subtotal | 0.0 SH |

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|---------|---|---------|
| Yr 4 SP | C PHY U651 Medical Physics Seminar 1 | 4.0 SH |
| Yr 4 SP | C ENG U301 Advanced Writing in Discipline | 4.0 SH |
| Yr 4 SP | NU Core course or Elective | 4.0 SH |
| Yr 4 SP | Technical Elective | 4.0 SH |
| | Semester Subtotal | 16.0 SH |

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|---------|---|--------|
| Yr 4 S1 | C PHY U954 Experiential Ed Directed Study | 4.0 SH |
| Yr 4 S1 | C PHY U623 Medical Physics | 4.0 SH |
| | Semester Subtotal | 8.0 SH |

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|---------|-------------------------|--------|
| Yr 4 S2 | CO-OP | 0.0 SH |
| | Semester Subtotal | 0.0 SH |

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|---------|-------------------------|--------|
| Yr 5 FL | CO-OP | 0.0 SH |
| | Semester Subtotal | 0.0 SH |

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|---------|--------------------------------------|---------|
| Yr 5 SP | C PHY U700 Adv Physics Lab 2 | 4.0 SH |
| Yr 5 SP | C PHY U652 Medical Physics Seminar 2 | 4.0 SH |
| Yr 5 SP | C PHY U621 Biological Physics 1 | 4.0 SH |
| Yr 5 SP | NU Core Course or Elective | 4.0 SH |
| | Semester Subtotal | 16.0 SH |

MDS 386 BS Biomedical Physics Div C

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|---------|--|---------|
| Yr 1 FL | C PHY U100 Physics at NU | 1.0 SH |
| Yr 1 FL | C ENG U111 College Writing | 4.0 SH |
| Yr 1 FL | C MTH U241 Calculus 1 for Sci/Engr | 4.0 SH |
| Yr 1 FL | C BIO U111 General Biology 1 Coreq(s): C BIO U112 | 4.0 SH |
| Yr 1 FL | C BIO U112 Lab for BIO U111 Coreq(s): C BIO U111 | 1.0 SH |
| Yr 1 FL | C PHY U161 Physics 1 Coreq(s): C PHY U162 | 4.0 SH |
| Yr 1 FL | C PHY U162 Lab for PHY U161 Coreq(s): C PHY U161 | 1.0 SH |
| | Semester Subtotal | 19.0 SH |
| Yr 1 SP | C PHY U165 Physics 2 Coreq(s): C PHY U166 | 4.0 SH |
| Yr 1 SP | C PHY U166 Lab for PHY U165 Coreq(s): C PHY U165 | 1.0 SH |
| Yr 1 SP | C MTH U242 Calculus 2 for Sci/Engr | 4.0 SH |
| Yr 1 SP | A GE U111 Engr Prob Solv and Comp | 4.0 SH |
| Yr 1 SP | NU Core course or Elective | 4.0 SH |
| | Semester Subtotal | 17.0 SH |

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|---------|-------------------------|--------|
| Yr 1 S1 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |

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|---------|---|---------|
| Yr 1 S2 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 2 FL | C PHY U303 Modern Physics | 4.0 SH |
| Yr 2 FL | C MTH U341 Calculus 3 for Sci/Engr | 4.0 SH |
| | Coreq(s): C MTH U342 | |
| Yr 2 FL | C PHY U371 Electronics | 4.0 SH |
| | Coreq(s): C PHY U372 | |
| Yr 2 FL | C PHY U372 Lab for PHY U371 | 0.0 SH |
| | Coreq(s): C PHY U371 | |
| Yr 2 FL | C CHM U211 General Chemistry 1 | 4.0 SH |
| | Coreq(s): C CHM U212 C CHM U213 | |
| Yr 2 FL | C CHM U212 Lab for CHM U211 | 1.0 SH |
| | Coreq(s): C CHM U211 C CHM U213 | |
| Yr 2 FL | C CHM U213 Recitation for CHM U211 | 0.0 SH |
| | Coreq(s): C CHM U211 C CHM U212 | |
| | Semester Subtotal | 17.0 SH |
| Yr 2 SP | C PHY U305 Thermo & Statistical Mechanics | 4.0 SH |
| Yr 2 SP | C BIO U113 General Biology 2 | 4.0 SH |
| | Coreq(s): C BIO U114 | |
| Yr 2 SP | C BIO U114 Lab for BIO U113 | 1.0 SH |
| | Coreq(s): C BIO U113 | |
| Yr 2 SP | NU Core course or Elective | 4.0 SH |
| Yr 2 SP | GE Undergraduate Elective | 4.0 SH |
| | Semester Subtotal | 17.0 SH |
| Yr 2 S1 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 2 S2 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 3 FL | C ENG U301 Advanced Writing in Discipline | 4.0 SH |
| Yr 3 FL | C PHY U602 Electricity & Magnetism | 4.0 SH |
| Yr 3 FL | NU Core course or Elective | 4.0 SH |
| Yr 3 FL | Technical Elective | 4.0 SH |
| | Semester Subtotal | 16.0 SH |
| Yr 3 SP | C PHY U600 Advanced Physics Lab 1 | 4.0 SH |
| Yr 3 SP | C PHY U651 Medical Physics Seminar 1 | 4.0 SH |
| Yr 3 SP | C PHY U603 ElectroMagnetic Waves & Optics | 4.0 SH |
| Yr 3 SP | NU Core Course or Elective | 4.0 SH |
| | Semester Subtotal | 16.0 SH |
| Yr 3 S1 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 3 S2 | VACATION | 0.0 SH |
| | Semester Subtotal | 0.0 SH |
| Yr 4 FL | C PHY U954 Experiential Ed Directed Study | 4.0 SH |
| Yr 4 FL | NU Core Course or Elective | 4.0 SH |
| Yr 4 FL | NU Core course or Elective | 4.0 SH |
| Yr 4 FL | Technical Elective | 4.0 SH |
| | Semester Subtotal | 16.0 SH |
| Yr 4 SP | C PHY U700 Adv Physics Lab 2 | 4.0 SH |
| Yr 4 SP | C PHY U652 Medical Physics Seminar 2 | 4.0 SH |
| Yr 4 SP | C PHY U621 Biological Physics 1 | 4.0 SH |
| Yr 4 SP | C PHY U623 Medical Physics | 4.0 SH |
| | Semester Subtotal | 16.0 SH |