**B.S. PHYSICS CHECK SHEET**

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Date** |  | **Grade** |  | **Date** |  | **Grade** |
| **Taken** |  | **Rec’d** |  | **Taken** |  | **Rec’d** |
| ***Learning Skills (9 cr)*** |  |  |  | ***Physics (34 cr)*** |  |  |  |
| ENGL 101 Composition I (3) |   |  |   | PHYS 231 Electronics (4) |   |  |   |
| ENGL 202 Composition II, Soph level (3) |   |  |   | PHYS 331 Modern Physics (3) |   |  |   |
| MATH 125 Calculus I/ Physics, … (3) |   |  |   | PHYS 342 Thermal & Stat Physics (3) |   |  |   |
|  |  |  |  | PHYS 345 Optics (3) |   |  |   |
| ***Humanities (9 cr)*** |  |  |  | PHYS 350 Intermediate Experimental Phys (3) |   |  |   |
| HIST 195/196/197 US/Europe/Global (3) |   |  |   | PHYS 401 Theoretical Physics (3) |   |  |   |
| ENGL 121/ FNLG 121 Humanities Lit (3) |   |  |   | PHYS 441 Classical Mechanics (3) |   |  |   |
| PHIL 122/ RLST 110 (3) |   |  |   | PHYS 451 Electricity & Magnetism (3) |   |  |   |
|  |  |  |  | PHYS 461 Quantum Mechanics (3) |   |  |   |
| ***Fine Arts (3 cr)*** |  |  |  | PHYS 472 Nuclear Physics (3) **or** |   |  |   |
| ARHI 101 Intro to Art (3) **or** |  |  |  | PHYS 490 Solid State Physics (3) |  |  |  |
| MUHI 101 Intro to Music (3) **or** |  |  |  | PHYS Elective *§§*  |   |  |   |
| THTR 101 Intro to Theater (3) **or** |  |  |  | PHYS \_\_\_\_\_ (3) |   |  |   |
| DANC 102 Intro to Dance |  |  |  |  |  |  |  |
|  |  |  |  | ***Other Requirements (16 – 22 cr)*** |  |  |  |
| ***Natural Science (8 cr)*** |  |  |  | COSC 110 Problem Solv & Struct Prog (3) |   |  |   |
| PHYS 131 Physics I-Calc (3) |   |  |   | MATH 225 Calculus III – Physics (3) |   |  |   |
| PHYS 132 Physics II- Calc (3) |   |  |   | MATH 241 Differential Equations (3) |   |  |   |
| PHYS 141 Physics I-Calc Lab (1) |   |  |   | MATH 342 Adv. Math for Applications (4) |   |  |   |
| PHYS 142 Physics II -Calc Lab (1) |   |  |   |  |  |  |  |
|  |  |  |  | *Math Elective – Choose one from* |  |  |  |
| ***Social Sciences\* (9 cr)*** |  |  |  | MATH 171, 363, 421, 423 **or**  |   |  |   |
|   |   |  |   | MATH/COSC 250 Intro Numer. Methods (3) |   |  |   |
|   |   |  |   |  |  |  |  |
|   |   |  |   | ***Foreign Language § (0-6 cr)*** |  |  |  |
|  |  |  |  | FRNC 201 & 202 (College French I&II) **or**  |  |  |  |
| ***Dimensions of Wellness (3-4 cr)*** |  |  |  | GRMN 251&252 (German III&IV) **or** |  |  |  |
| HPED/ FDNT 143 (3) |  |  |  | SPAN 102 & 201 (El SP II & Int SPAN (6)† |   |  |   |   |
| MLSC 101, 102 (4) |   |  |  |  |  |  |  |  |
| ECON/ COSC 143 (3) |   |   |  | ***Free Electives (20-26 cr)*** |  |  |  |  |
|  |  |  |  |   |   |  |   |   |
| ***Liberal studies Electives (3 cr)*** |  |  |  |  |   |  |   |   |
| MATH 126 Calculus II/ Physics, … (3) |   |   |  |  |   |  |   |   |
|  |  |  |  |  |   |  |   |   |
|  |  |  |  |   |   |  |   |   |
|  |  |  |  |  |  |  |  |  |
| ***Liberal studies total (44 cr)*** |   |  |  | ***Total Degree Requirement (120 cr)*** |   |  |  |   |
|  |  |  |  |  |  |  |  |  |

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Note: A 2.0 GPA (in major courses) is required for graduation.

\* If one of these courses does not meet the Non-Western cultures requirement, then an elective must be used.

*§* Six credits of computer programming language will substitute for foreign language requirement:

 COSC 110, 210, or higher level COSC courses (COSC 250 recommended), with department permission.

† Total credits from SPAN 102 (4cr) and SPAN 201 (4cr) = 8cr; 2cr should be included in electives.

*§§* May consider PHYS 345 Optics, PHYS 355 Computer Interfacing, PHYS 280 Intro to Nanotechnology, etc.

Last modified: 5/19/2016