|  | CHEM 1310 <br> General <br> Chemistry <br> (See Note 2) $3-3-4$ | MATH 1551 <br> Differential Calculus (Minimum Grade C) 2-0-2 | Legislative HIST 2111, HIST 2112 POL 1101, INTA 1200, or PUBP 3000 [Social Science ] 3-0-3 | Wellness APPH 1040 or APPH 1050 2-0-2 | ENGL 1101 <br> English Composition 1 $3-0-3$ | MATH 1553 <br> Linear Algebra <br> (Minimum Grade C ) 2-0-2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | PHYS 2211 <br> Physics 1 <br> 3-3-4 <br> MATH 1551, MATH 1552* | MATH 1552 <br> Integral Calculus <br> (Minimum Grade C) <br> $4-0-4$ | CS 1371Computing for <br> Engineers$3-0-3$ | NRE 2110 <br> Intro to NRE $2-0-2$ | ENGL 1102 <br> English Composition 2 <br> 3-0-3 <br> ENGL 1101 | = 16 hours <br> = 16 hours |
|  | PHYS 2212 <br> Physics 2 <br> 3-3-4 <br> PHYS 2211 | MATH 2551 <br> Multivariable <br> Calculus <br> (Minimum Grade C) <br> $4-0-4$$\|$ | COE 2001 Statics $2-0-2$ MATH 1552. PHYS 2211 | Economics <br> ECON 2100, 2101, <br> 2105 or 2106 <br> (See Note 4) <br> 3-0-3 | Social <br> Science <br> Elective <br> (See Note 5) 3-0-3 | = 16 hours |
|  | PHYS 2213 <br> Introduction to <br> Modern Physics <br> 3-0-3 <br> PHYS 2212 | MATH 2552 <br> Differential <br> Equations <br> (Minimum Grade C) <br> $4-0-4$ <br> MATH 1552, MATH 1553 | NRE 3301 <br> Radiation Physics <br> $3-0-3$ <br> MATH 1552; PHYS 2211 | MSE 2001 Engineering Materials 3-0-3 CHEM 1310 | $\begin{gathered} \hline \text { ECE } 3710 \\ \text { Circuits \& } \\ \text { Electronics } \\ 2-0-2 \\ \hline \text { PHYS } 2212 \\ \hline \end{gathered}$ | $=15$ hours $=16$ hours |
|  | NRE 3112 <br> Radiation <br> Detection <br> (See Note 1, No W's) <br> $2-3-3$ <br> NRE 3301 | ME 3322 <br> Thermo- <br> dynamics <br> $3-0-3$ <br> PHYS 2211, MATH 2552 |  | ECE 3025 <br> Electro- <br> magnetics <br> $3-0-3$ <br> ECE 3710 MATH 2551 <br> MATH 252, NRE 2110 | ECE 3741 <br>  <br> Electronics Lab <br> $0-3-1$ <br> ECE 3710 | Humanities Elective <br> (See note 5) $3-0-3$ |
|  | NRE 3208 <br> Nuclear Reactor Physics I 3-0-3 | NRE 3316 <br> Radiation <br> Protection <br> Engineering <br> 3-0-3 | COE 3001 <br> Mechanics of Deformable Bodies 3-0-3 | ME 3345 Heat Transfer 3-0-3 | ISYE 3025 <br> Engineering Economics $1-0-1$ | MATH 3670 <br> Statistics \& Applications (Minimum Grade C) 3-0-3 |
|  | NRE 3001, MATH 2552 | NRE 3301, MATH 2552 | COE 2001, MATH 2552* | ME 3322, ME 3340 , MATH 2552 | $\begin{aligned} & \text { ECON 2100, } 2101,2105 \\ & \text { or } 2106 \end{aligned}$ | MATH 2551 |


| $\overline{\overline{\mathbb{N}}}$ | NRE 4208 <br> Nuclear Reactor Physics II 4-0-4 |
| :---: | :---: |
| $\bigcirc$ | NRE 3208, MATH 2552 |



| Social |
| :---: |
| Science <br> Elective <br> (See Note 5) <br> 3-0-3 |

= 16 hours
= 16 hours


## NRE 4232

| NRE Design |
| :---: |
| (See Note 1, No W's) |
| $1-9-4$ |$|$| NRE 4328, NRE 4208 |
| :---: |

Technical
Elective
(See Note 3)
$3-0-3$

Technical Elective
(See Note 3) 3-0-3

## Humanities Elective

(See Note 5) 3-0-3

NOTES: * Class co-requisites have an asterisk (*) after it. These classes can be taken prior to or at the same time.

1. NRE $3112,4206 \& 4232$ cannot be dropped after registration ends without documented medical reasons.

## 126 Total Hours

2. CHEM 1310: CHEM 1211 K can substitute for CHEM 1310. CHEM 1211 K \& 1212 K are recommended for pre-health students.
3. Technical Electives are any 3000 level courses or above from the Colleges of Engineering, Science or Computing that do not duplicate any other class used for the BSNRE degree. See back for more information.
4. Economics: Students can receive credit for only one of ECON 2100, ECON 2101, ECON 2105 \& ECON 2106. The only exception is that students can receive 6 hours credit for both ECON 2105 and ECON 2106.
5. Humanities Electives and Social Science Electives: See page 2 for a link to the list of classes.
6. Ethics Overlay is taken as either a humanities elective or social science elective in the NRE curriculum. Humanities Ethics: PHIL 3105, PHIL 3109, PHIL 3127 and PHIL 4176

PHIL 3105, PHIL 3109, PHIL 3127, PHIL 4176, HTS 2084。INTA 2030
7. NRE students do not take ME 2202, so NRE 3301 or NRE 2110 will satisfy the pre-req for registration.
( See Note 6 ) 3-0-3

| Undergraduate Curriculum Sheet Explained |  |
| :---: | :---: |
| Understanding the Curriculum Guide | GPA \& Grade Requirements |
| Class Number Class | 1. All classes taken for the BSNRE degree must be taken LETTER GRADE. This includes all electives. |
| Notes about | 2. Overall GPA: <br> - Must be 2.00 or above (truncated) at graduation. |
| Lecture Hours <br> (per week) Lab Total Credit | 3. Required Grades: <br> - Minimum grade of a D or better is required for each class except as noted. |
| Pre-Requisites \&Co-Requisites* $\quad \longrightarrow$ NRE 3112, NRE 4208 $\quad \sim \quad$Included in <br> Major GPA if |  |
| Pre-requisites: These classes must be completed <br> before you can take the class. Major GPA if <br> filled in with <br> dark color | 4. Major GPA: <br> - All NRE classes are used to calculate the major GPA. Technical electives are used if they are NRE classes. |
| *Co-requisites: These classes can be taken at the same time or before the class. You must register for the co-req first to avoid registration errors. | - Must be 2.00 or above (truncated) at graduation. |

## Technical Electives

1. Technical Electives may be selected from any course offered in the College of Engineering, Science or Computing at the 3000 level or above, excluding Psychology (PSYC) and Applied Physiology (APPH).
2. Technical electives cannot overlap any other course which you intend to use for your BSNRE.
3. Students who are eligible to take graduate level classes may use most as technical electives.
4. Research: Students may use 4 hours maximum of 4699 or 4903 for technical elective credit. Research does not have to be NRE specific research; it can be from the colleges of engineering, science or computing.

## Humanities, Social Science and Overlay Requirement (Ethics)

1. Humanities Electives: See http://catalog.gatech.edu/academics/undergraduate/core-curriculum/core-area-c/
2. Social Science Electives: See http://catalog.gatech.edu/academics/undergraduate/core-curriculum/core-area-e/
3. Ethics Overlay: Ethics must be one of PHIL 3105, PHIL 3109, PHIL 3127, PHIL 4176, HTS 2084 or INTA 2030. Ethics can be used for a humanities elective or a social science elective depending on which class is selected.

Humanities Versions of Ethics: PHIL 3105, PHIL 3109, PHIL 3127 or PHIL 4176
Social Science Versions of Ethics: HTS 2084 or INTA 2030
Frequency of Class Offerings

| Class | Semesters Available |
| :---: | :---: |
| NRE 2110 | Spring Only |
| NRE 3112 | Fall Only |
| NRE 3208 | Spring Only |
| NRE 3301 | Spring Only |
| NRE 3316 | Spring Oly |
| NRE 4206 | Spring Only |
| NRE 4208 | Fall Only |
| NRE 4214 | Fall Only |
| NRE 4232 | Spring Only |
| NRE 4328 | Fall Only |
| COE 2001 | Summer, Fall, Spring * |
| COE 3001 | Summer, Fall, Spring * |
| ECE 3025 | Summer, Fall, Spring * |
| MATH 3670 | Summer, Fall, Spring |
| ME 3322 | Summer, Fall, Spring |
| ME 3340 | Summer, Fall, Spring * |
| ME 3345 | Summer, Fall, Spring * |

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[^0]:    * Summer classes may be cancelled due to low enrollments.

