

**Sample 4-year FRESHMAN plan for a Degree in: Microbiology (186 units required for the Bachelor of Science Degree)**

	FALL		WINTER		SPRING		SUMMER <sup>++</sup>	TOTAL UNITS
<b>Year 1</b>	ENGL 101 NSS 101* MATH 204 <sup>†</sup> MATH 204P <sup>‡</sup> CHEM 101	(4) (4) (4) (1) (5) <u>18</u>	ENGL 102 CHEM 102 PHIL 160 or PHIL 250 or POLS 155 or COMM 176	(4) (5) (4) 13  	WPE (UNIV 400) COMM 150 CHEM 103 GE BLOCK C #1 <sup>+</sup>	(0) (4) (5) (4) 13		44 UNITS
<b>Year 2</b>	CHEM 201 BIOL 100A PHYS 101 GE BLOCK D #1	(5) (5) (4) (4) <u>18</u>	CHEM 291A BIOL 100B PHYS 102 GE BLOCK C #2	(3) (5) (4) (4) <u>16</u>	CHEM 291B CHEM 292A MICR 300 PHYS 103	(3) (2) (5) (4) <u>14</u>		48 UNITS
<b>Year 3</b>	CHEM 301 CHEM 292B MICR 301 BIOL 300 HIST 202A or 202B	(3) (2) (4) (4) (4) <u>17</u>	MICR 302 MICR 331 POLS 150 GE BLOCK D #2	(5) (3) (4) (4) <u>16</u>	MICR 304 MICR 340 GE BLOCK C #3 BIOL 320	(5) (3) (4) (4) <u>16</u>		49 UNITS
<b>Year 4</b>	CHEM 431A MICR ELECTIVES GE BLOCK D #3 GE UD – NATS FREE ELECTIVES**	(3) (4) (4) (4) (2) <u>17</u>	CHEM 431B CHEM 432A MICR ELECTIVES GE UD – SOCS	(3) (2) (5) (4) <u>14</u>	CHEM 431C MICR ELECTIVES GE UD – HUM	(3) (8) (4) <u>15</u>		46 UNITS

**NOTES:**

\*NSS 101 fulfills both the IHE and the GE BLOCK E requirements.

<sup>†</sup>If you are not calculus-ready, MATH 104A and 105 are prerequisites for the first required MATH course for MICR majors (MATH 204).

<sup>‡</sup>Optional; required for students who earned a B– or lower in MATH 105.

\*\*Free electives are ANY 100-level or higher-level courses not already required in order to have the minimum number of units (186) required for the degree.

<sup>+</sup>Students must take 2 diversity (d) courses as part of GE from Blocks C, D, E or Upper Division GE, one of these must have the designation re (race and ethnicity). In addition, one of the GE courses must be designated CL (civic learning). The 2 GE BLOCK D courses must be from different departments and the 2 GE BLOCK C courses must be from different areas.

GE Double counting: BIOL 1100 satisfies GE B1, CHEM 1100 or PHYS 1100 satisfies GE B2, MATH 2040 satisfies GE B4. <sup>++</sup>Students may take classes during the Summer Quarter to finish earlier or to take fewer units each quarter.