

Bachelor of Science in Chemistry Chemistry Major Advising Worksheets^{\$}

General Studies for B.S. degree:

COMMUNICATIONS: (9 total)

(grade of C or better):

| | | |
|------|---------|---------------|
| 3___ | ENG 101 | Col. Comp. I |
| 3___ | ENG 102 | Col. Comp II |
| 3___ | COM 101 | Fund. Of Com. |

MATHEMATICS: (3 total)

(choose one):

| | | |
|------|----------|----------------|
| 3___ | MATH 102 | Nature of Math |
| 3___ | MATH 140 | Coll. Alg. |
| 3___ | MATH 145 | PreCal |
| 3___ | MATH 160 | Intro to stats |
| 5___ | MATH 210 | Calc I |

NATURAL SCIENCE: (8 total)

Life Sciences (Choose one lecture and lab)

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|------|-------------|
| 4___ | BIO 105/106 |
| 4___ | BIO 124/125 |

Physical Sciences: (Choose one lecture & Lab)

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|------|--------------|----------------|
| 4___ | CHEM 100/101 | Found. Of Chem |
| 4___ | CHEM 110/111 | Gen. Chem I |
| 4___ | PHYS 101/110 | Elem. Phys |
| 4___ | PHYS 190/191 | Phys. World |
| 4___ | PHYS 345 | Earth & Space |

BUSINESS AND ECONOMICS: (3 total)

Choose one:

| | | |
|------|----------|-----------------|
| 3___ | ECON 101 | Prin. Macroeco. |
| 3___ | ECON 102 | Prin. Microeco. |
| 3___ | GBUS 140 | Intro Bus. |
| 3___ | ECON 131 | Fin. Lit. |

WELLNESS/PHYSICAL EDU. (4 total)

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|------|--------|-----------------|
| 1___ | PE 101 | Activity I |
| 1___ | PE 102 | Activity II |
| 2___ | HE 253 | Personal Health |
| 3___ | HE 250 | Intro. Health |

Act. I must diff. from Act II

Either HE 253 or HE 250

FINE ARTS/HUMANITIES: (9 total)

Fine Arts (choose one)

| | | |
|------|---------|----------------------|
| 3___ | FA 101 | FA as human exp. |
| 3___ | ART 100 | Fund. Of art |
| 3___ | ART 140 | Apr. of art major |
| 3___ | ART 340 | Hist of west. Art I |
| 3___ | ART 341 | Hist of west. Art II |
| 3___ | ART 343 | Surv. non-west. Art |
| 3___ | MUS 130 | Appr. Of music |
| 3___ | MUS 131 | Intro. Music lit. |
| 3___ | MUS 132 | Jazz appr. |
| 3___ | COM 203 | Arg. & debate |
| 3___ | COM 211 | Mass com media |
| 3___ | THE 100 | The. Apprec. |
| 3___ | THE 300 | Hist. of theater |

Literature:

| | | |
|------|---------|-------------------|
| 3___ | ENG XXX | Any lit. with ENG |
|------|---------|-------------------|

Phil., Rel., or For. Lang.

| | | |
|------|--|--|
| 3___ | Any with the consent of the instructor | |
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SOC. AND BEHAV. SCIENCES: (12 total)

History:

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|------|----------|-----------------|
| 3___ | HIST 103 | Hist. of Civ I |
| 3___ | HIST 104 | Hist. of Civ II |
| 3___ | HIST 210 | US to 1865 |
| 3___ | HIST 211 | US since 1865 |

Select one course from three of the following:

Geography:

| | | |
|------|---------|----------------|
| 3___ | GEO 205 | Intro. To Geo. |
| 3___ | GEO 206 | World Geo. |

Pol., Soc. Science

| | | |
|------|----------|---------------|
| 3___ | POLS 101 | Pol. and Gov. |
| 3___ | POLS 201 | Nat'l Gov |

Sociology

| | | |
|------|---------|-----------------|
| 3___ | SOC 150 | Basic soc. |
| 3___ | SWK 201 | Cult. Awareness |

Psychology

| | | |
|------|----------|--------------|
| 3___ | PSYC 101 | Intro. Psyc. |
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Required courses in Sciences and mathematics

CHEMISTRY: (38 total)

| | | |
|------|----------|----------------------|
| 3___ | CHEM 112 | Gen. Chem. II |
| 1___ | CHEM 113 | Gen. Chem. II lab |
| 3___ | CHEM 320 | Analytical Chem. |
| 1___ | CHEM 321 | Analytical Chem. Lab |
| 3___ | CHEM 340 | Org. Chem. I |
| 1___ | CHEM 341 | Org. Chem. I lab |
| 3___ | CHEM 342 | Org. Chem. II |
| 1___ | CHEM 343 | Org. Chem. II lab |
| 3___ | CHEM 400 | Inorg. Chem. |
| 4___ | CHEM 464 | Phys. Chem. I |
| 1___ | CHEM 465 | Phys. Chem. I lab |
| 4___ | CHEM 466 | Phys. Chem. II |
| 1___ | CHEM 467 | Phys. Chem. II lab |
| 3___ | CHEM 480 | Biochem. I |
| 1___ | CHEM 481 | Biochem. I lab |
| 3___ | CHEM 482 | Biochem. II |
| 1___ | CHEM 483 | Biochem. II lab |
| 1___ | CHEM 485 | Chem. Capstone |

PHYSICS: (8 total)

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|------|----------|--------------------|
| 3___ | PHYS 101 | Elem. Phys. I |
| 1___ | PHYS 110 | Elem. Phys. I lab |
| 3___ | PHYS 102 | Elem. Phys. II |
| 1___ | PHYS 111 | Elem. Phys. II lab |

MATHEMATICS: (13 total)

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|------|----------|-----------------------|
| 5___ | MATH 210 | Calc. & Ana. Geo. I |
| 4___ | MATH 211 | Calc. & Ana. Geo. II |
| 4___ | MATH 212 | Calc. & Ana. Geo. III |

CHEMISTRY ELECTIVES: (13 total)

Choose any CHEM 300-400 course – as per advisor

- CHEM 110/111 must be taken as part of General studies
- 120 credit hours are required to graduate from West Liberty with a B.S.; 40 of those hours must be 300-400 level courses.
- The Chemistry major requires at least a “C” in each required math and science course within the program.
- [§]These worksheets are to be used as a guide. Each student is responsible for their curriculum and meeting the requirements for graduation as stipulated in the college catalog.
- Courses may not be offered every semester and/or year; please consult with your Chemistry advisor for sequencing.