**DEGREE CHECKLIST (College of Arts and Sciences)** **2016-2017 Catalog**

**NAME** **ID#**

**MAJOR B.S. —CHEMISTRY (ACS Chemistry, ACS Biochemistry, ACS Chemistry-Business, ACS Engineering-Physics, ACS Forensic Chemistry)**

## GENERAL EDUCATION REQUIREMENTS (35-41 semester hours)

| | Check | Hrs. |
|---|---|---|
| ACAD 101 (Required of first-time freshmen only) | _____ | 0-1 |
| **Writing and Critical Thinking:** | | |
| WRIT 101 (grade of C- or better is required) | _____ | 3 |
| HMXP 102 (grade of C- or better in WRIT 101 is required) | _____ | 3 |
| CRTW 201 (grade of C- or better in HMXP 102 is required) | _____ | 3 |
| **Oral Communication** (see approved list) | | |
| _____ | _____ | 3 |
| **Technology** (see approved list; may be met in major) | | |
| _____ | _____ | 0-3 |
| **Intensive Writing** (see approved list) | | |
| _____ | _____ | 3 |
| **Constitution Requirement** (see approved list; may be met in major) | | |
| _____ | _____ | 0-3 |
| **Physical Activity** (see approved list) | | |
| _____ | _____ | 1 |
| **Global Perspectives** (see approved list) | | |
| _____ | _____ | 3 |
| **Historical Perspectives** (see approved list) | | |
| _____ | _____ | 3 |
| **Social Science** (see approved list; must include 2 designators) | | |
| _____ | _____ | 3 |
| _____ | _____ | 3 |
| **Humanities and Arts** (see approved list; must include 2 designators) | | |
| _____ | _____ | 3 |
| _____ | _____ | 3 |
| **Quantitative Skills** (met in major with MATH 201 & 202) | | 0 |
| **Natural Science** (met in major with PHYS 211) | | 0 |

## FOREIGN LANGUAGE (3-8 semester hours)

| | | |
|---|---|---|
| _____ | _____ | 3-4 |
| _____ | _____ | 0-4 |

102-level proficiency required

## REQUIRED COURSES (63 semester hours)

| Course & No. | Hrs. | Check |
|---|---|---|
| BIOL 203 _____ | 204_____ ( 4 ) | _____ |
| MATH 201 _____ | 202 _____ ( 8 ) | _____ |
| MAED 200 _____ | ( 0-1)* | _____ |
| PHYS 211 _____ | 212 _____ ( 8 ) | _____ |
| CHEM 105 _____ | | |
| 106 _____ | 108 _____ ( 8 ) | _____ |
| CHEM 301 _____ | ( 4 ) | _____ |
| CHEM 302 _____ | 304 _____ ( 4 ) | _____ |
| CHEM 305 _____ | ( 1 ) | _____ |

| Course & No. | Hrs. | Check |
|---|---|---|
| CHEM 312 _____ | ( 1 ) | _____ |
| CHEM 313 _____ | 314 _____ ( 4 ) | _____ |
| CHEM 407 _____ | 409 _____ ( 4 ) | _____ |
| CHEM 408 _____ | 410 _____ ( 4 ) | _____ |
| CHEM 491 _____ | 492 _____ ( 0 ) | _____ |
| CHEM 495 _____ | ( 1 ) | _____ |
| CHEM 493 _____ | 494 _____ ( 0 ) | _____ |
| CHEM 523 _____ | 525 _____ ( 5 ) | _____ |
| CHEM 530 _____ | 531 _____ ( 4 ) | _____ |
| CSCI 151 _____ | ( 3 ) | _____ |

* Required as a corequisite only if MATH 202 is taken at Winthrop.

**SELECT ONE OF FIVE DEGREE TRACKS BELOW:**

**ACS Chemistry Degree Track**

| | | |
|---|---|---|
| CHEM 551 _____ | 552 _____ ( 6 )** | _____ |
| **Subtotal** | | **6** |

**ACS/ASBMB Biochemistry Degree Track**

| | | |
|---|---|---|
| Three BIOL courses from: | | |
| BIOL 310 _____ | 315 _____ | |
| 317 _____ | 555 _____ (11-12) | _____ |
| CHEM 524 _____ | ( 3 ) | _____ |
| CHEM 551 _____ | 552 _____ ( 6 ) | _____ |
| **Subtotal** | | **20-21** |

**ACS Forensic Chemistry Degree Track**

| | | |
|---|---|---|
| CHEM 502 _____ | 503 _____ ( 4 ) | _____ |
| CHEM 505 _____ | 506 _____ ( 4 ) | _____ |
| CHEM 551 _____ | 552 _____ ( 6 )** | _____ |
| **Subtotal** | | **14** |

**ACS Chemistry - Business Degree Track**

| | | |
|---|---|---|
| CHEM 551 _____ | 552 _____ ( 6 )** | _____ |
| ECON 215 _____ | 216 _____ ( 6 ) | _____ |
| ACCT 280 _____ | 281 _____ ( 6 ) | _____ |
| Select two from the following: | ( 6 ) | _____ |
| FINC 311 _____ | | |
| MGMT 321 _____ | | |
| MKTG 380 _____ | | |
| **Subtotal** | | **24** |

**ACS Engineering-Physics**

| | | |
|---|---|---|
| MATH 301 _____ | 305 _____ ( 7 ) | _____ |
| PHYS 321 _____ | ( 3 ) | _____ |
| CHEM 551 _____ | 552 _____ ( 6 )** | _____ |
| **Subtotal** | | **16** |

** or CHEM 500-level course with 3 laboratory credit hours.

## ELECTIVES (0-13 semester hours)

| | |
|---|---|
| _____ ( ) _____ | _____ ( ) _____ |
| _____ ( ) _____ | _____ ( ) _____ |
| _____ ( ) _____ | _____ ( ) _____ |
| _____ ( ) _____ | _____ ( ) _____ |

**NOTES**

1. Unless stated otherwise, a single course **may not** be used for more than one General Education requirement.
2. All Arts and Sciences majors require a minimum of 40 hours in courses numbered above 299.
3. Attendance at three cultural events is required for each 20 hours completed in residence at Winthrop. Note exceptions in the undergraduate catalog.
4. Designators that differ only for the purpose of theory and application will be considered the same designator in this category.
5. Complete WRIT 101, HMXP 102, and CRTW 201 with a C- or better by 75 hours.
6. See complete catalog requirements at www.winthrop.edu/recandreg