Substitutions/waivers of required courses must be approved. If course substitutions are requested, students must provide transfer course descriptions to the advisor, who fills out and signs the substitution form and forwards it to appropriate persons. See faculty advisor for additional information. Upon completion of 42 hours (excluding DSP), students are encouraged to file a “Graduation Evaluation Form” in the Student Records Office.

**USE THIS CHECKLIST AS A GUIDE ONLY. REFER TO THE ONLINE CATALOG FOR COMPLETE PROGRAM DETAILS AND REQUIREMENTS.**

Name ______________________  Student ID ______________________

**COMPUTER COMPETENCY◊, * 0-3 INFS 1010 TERM/GRADE**

<table>
<thead>
<tr>
<th>DEGREE REQUIREMENTS</th>
<th>MINIMUM REQUIRED SEMESTER HOURS</th>
<th>COURSE NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Requirements (42 hrs.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMMUNICATION</td>
<td>9</td>
<td>ENGL 1010* ENGL 1020</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPCH 1010*</td>
</tr>
<tr>
<td>HUMANITIES/FINE ARTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Literature 1, 2</td>
<td>3</td>
<td>Take ONE from:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENGL 2110, 2120, 2410, or 2420</td>
</tr>
<tr>
<td>Humanities 1, 2</td>
<td>6</td>
<td>Take TWO (do not duplicate Literature) from:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ART 1030, ARTH 2010, 2020, ENGL 2110, 2120, 2410, 2420, HUM 1030, 2010, 2110, MUS 1030, PHIL 1030, 2020, 2210, 2400, 26403, or THEA 1030</td>
</tr>
<tr>
<td>HISTORY 1, 2</td>
<td>6</td>
<td>Take TWO from:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIST 1110, 1120, 2010, 2020</td>
</tr>
<tr>
<td>BEHAVIORAL/ SOCIAL SCIENCES 1, 2</td>
<td>3</td>
<td>PSYC 1310</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Take ONE from:</td>
</tr>
<tr>
<td>MATHEMATICS 4</td>
<td>4</td>
<td>MATH 1910</td>
</tr>
<tr>
<td>NATURAL SCIENCE</td>
<td>8</td>
<td>CHEM 1110 1111 1111 1120 1121</td>
</tr>
</tbody>
</table>

**Area of Emphasis Requirements (20 hrs.)**

| | | |
| 20 | BIOL 1110 1111 1111 BIOL 1120 1121 |
| | CHEM 2010 2011 CHEM 2020 2021 |
| | BIOL 2230 2231 |

- Completion of the above courses satisfies requirements for the A.S. degree. The following will be required prior to entry into a college of optometry and can be taken at Walters State: PHYS 2010/2011, PHYS 2020/2021.

1 General Education electives in each category must be chosen from approved courses listed on reverse side. Some of these courses may require prerequisite courses.

2 Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

3 Students transferring to ETSU are required to have PHIL 2640 (Science and the Modern World) as a humanities elective.

4 The TTP requires MATH 1830 or above. The division prefers MATH 1910 as it addresses math concepts utilized in PHYS 2010/2020. Students with ACT Math of 27 or higher can take MATH 1910 without a pre-requisite. Students with ACT Math of 26 or lower will need to take MATH 1710 and/or 1720. Math Division will place after testing.

Total degree hours must be at least 62
You must take at least 18 hours at Walters State
Cumulative GPA at graduation must be at least 2.0
Submit Graduation Evaluation Form to Student Records Office
Exit Exam (taken during final semester)

◊ Students can test out of the basic computer science course. For more info go to www.ws.edu and click on “current students” then click on “computer competency”.

* In order to meet the general education competency, students must take these courses during the first 30 hours of college level work.
### Communication
- **ENGL 1010** Composition I (3)
- **ENGL 1020** Composition II * (3)
- **SPCH 1010** Fundamentals of Speech Communication (3)

### Humanities and/or Fine Arts
- **ART 1030** Art Appreciation (3)
- **ARTH 2100** Survey of Art History I (3)
- **ARTH 2200** Survey of Art History II (3)
- **ENGL 2110** American Literature I * (3)
- **ENGL 2120** American Literature II * (3)
- **ENGL 2410** Western World Literature I * (3)
- **ENGL 2420** Western World Literature II * (3)
- **HUM 1030** Introduction to Film Appreciation (3)
- **HUM 2100** Humanities: The Human Adventure I (3)
- **HUM 2110** Humanities: The Human Adventure II (3)
- **MUS 1030** Music Appreciation (3)
- **PHIL 1030** Human Nature and Life (3)
- **PHIL 2210** Religions and Cultures (3)
- **PHIL 2400** Introduction to Ethics (3)
- **PHIL 2640** Science and the Modern World (3)
- **THEA 1030** Introduction to Theatre (3)

### Social/Behavioral Science
- **ECON 2100** Macroeconomics (3)
- **ECON 2200** Microeconomics * (3)
- **GEOG 1030** Cultural Geography (3)
- **GEOG 2100** World Regional Geography (3)
- **PHED 2100** Personal Wellness (3)
- **POL 1030** American Government (3)
- **POL 2100** Introduction to Political Science (3)
- **PSY 1030** General Psychology (3)
- **PSY 2130** Lifespan Psychology (3)
- **SOCI 1010** Introduction to Sociology (3)
- **SOCI 1020** Social Problems (3)
- **SOCI 1240** Introduction to Cultural Anthropology (3)
- **SOCI 2210** Sociology of Citizenship (3)

### History
- **HIST 1110** Survey of World Civilization I (3)
- **HIST 1120** Survey of World Civilization II (3)
- **HIST 2100** American History I (3)
- **HIST 2120** American History II (3)

### Natural Sciences
- **ASTR 1030/31** Astronomy and Lab (3/1)
- **BIOL 1010/11** Introductory Biology I and Lab (3/1)
- **BIOL 1020/21** Introductory Biology II and Lab (3/1)
- **BIOL 1030/31** Concepts of Biology and Lab (3/1)
- **BIOL 1110/11** General Biology I and Lab (3/1)
- **BIOL 1120/21** General Biology II and Lab (3/1)
- **BIOL 2100/11** Human Anatomy and Physiology I and Lab (3/1)
- **BIOL 2120/21** Human Anatomy & Physiology II and Lab * (3/1)
- **CHEM 1000/01** Basic Chemistry and Lab (3/1)
- **CHEM 1010/11** Introductory Chemistry and Lab (3/1)
- **CHEM 1030/31** Concepts of Chemistry and Lab (4)
- **CHEM 1110/11** General Chemistry I and Lab * (3/1)
- **CHEM 1120/21** General Chemistry II and Lab * (3/1)
- **GEOL 1030/31** Geology and Lab (4)
- **PHYS 2010/11** General Physics I and Lab * (4)
- **PHYS 2020/21** General Physics II and Lab * (4)
- **PHYS 2110/11** Physics I and Lab * (4)
- **PHYS 2120/21** Physics II and Lab * (4)
- **PSCI 1030/31** Concepts of Earth and Space Science and Lab (4)

### Mathematics
- **MATH 1530** Probability and Statistics (3)
- **MATH 1630** Finite Mathematics (3)
- **MATH 1710** Pre-Calculus (Algebra) (3)
- **MATH 1720** Pre-Calculus (Trigonometry) (3)
- **MATH 1830** Calculus A * (3)
- **MATH 1910** Calculus I * (4)

* These courses require a prerequisite. See your advisor concerning course prerequisites.

Last Revised 4/16
Associate of Science in Pre-Optometry

Recommended Full-Time Schedule
The following Recommended Full-Time Schedule is not a substitute for academic advising. You must meet with an academic advisor each semester to be cleared for registration. Consult with your advisor about scheduling and degree requirements. Also, see the current undergraduate catalog (catalog.ws.edu) for a complete list of requirements and electives. Requirements are continually under revision, and there is no guarantee they will not be changed or revoked. Contact the academic division or department for current information.

Factors that affect your progression include required Learning Support courses, completion of computer competency and your choices regarding campus location, course delivery method, and the days and times selected to take classes.

1 General Education electives in each category must be chosen from approved courses listed in the General Education program.
2 Students can use any WSCC transferable course for a general elective. Transferable courses are designated with this symbol ♦ in the course descriptions section of the catalog.
3 Students with ACT Math of 27 or higher can take Math 1910 without a pre-requisite. Students with ACT Math of 26 or lower will need to take MATH 1710 and/or MATH 1720. Math Division will place after testing.
4 Completion of the above courses satisfies requirements for A. S. degree. PHYS 2010/2011 & 2020-21 will be required prior to entry into most optometry schools.

Fall Term (14 semester credit hours)
CHEM 1110/1111 (4 hrs.)
BIOL 1110/1111 (4 hrs.)
ENGL 1010 (3 hrs.)
INFS 1010 (3 hrs.)

*Walters State students are required to meet computer competency during the first 30 hours of coursework. Students must take INFS 1010, MGMT 1100 or AGRM 2630/2631 or successfully complete a Computer Competency Exam. Consult your advisor. See www.ws.edu/academics/technical-ed/computer-competency/ for additional information.

Spring Term (18 semester credit hours)
CHEM 1120/1121 (4 hrs.)
BIOL 1120/1121 (4 hrs.)
ENGL 1020 (3 hrs.)
MATH 1910 (4 hrs.)
Humanities elective (3 hrs.) (Select from WS approved general education list) ¹

Fall Term (17 semester credit hours)
CHEM 2010/2011 (4 hrs.)
BIOL 2230/2231 (4 hrs.) ⁴
SPCH 1010 (3 hrs.)
HIST 1110 or 2010 (3 hrs.)
Behavioral/Social Science elective (3 hrs.) (Select from WS approved general education list) ¹

Spring Term (16 semester credit hours)
CHEM 2020/2021 (4 hrs.)
HIST 1120 or 2020 (3 hrs.)
ENGL Literature elective (3 hrs.) (Select from WS approved general education list) ¹
Humanities elective (3 hrs.) (Select from WS approved general education list) ¹
Behavioral/Social Science elective (3 hrs.) (Select from WS approved general education list) ¹