General College Requirements

- You must earn a minimum of 181 credit hours to earn an Arts and Sciences degree. In addition to the General Education Curriculum, you will complete general college and major requirements and elective course work to reach a minimum of 181 credit hours.

  Remedial courses (e.g., English 109.01 and 109.02; Mathematics 50 and 75); and credit hours earned in repeated course work do not count toward the 181 hour minimum requirement for the Bachelor of Science. Note that you can take both “versions” of cross-listed courses (e.g., Comparative Studies/Philosophy 170); however, since the two versions are in fact the same course, only one may count toward your minimum degree hours.

  The number of hours required to complete the Bachelor of Science degree with a given major will depend on your program and goals.

  You may need to plan programs of more than 181 credit hours if you wish to complete specific professional or studio training, are preparing for graduate study in certain disciplines, or have multidisciplinary goals.

  If the combination of course work for the GEC, prerequisites, and your major program does not add up to 181 hours, you have many options for the remaining hours, called electives. With your elective hours, you could pursue a second major, a minor, or a combination degree program; select a set of courses on a specific topic; engage in an undergraduate research experience; do internships; or study abroad. You are urged to meet with an Arts and Sciences advisor to work out a plan that best fits your needs and interests. In no case shall the number of hours required for graduation be fewer than 181.

  Within the minimum 181 credit hours, you must have:

  - A minimum of 166 hours of Arts and Sciences or Arts and Sciences-approved courses.

  You may count a maximum of 15 hours of non-Arts and Sciences and non-Arts and Sciences-approved course work toward your degree. Of the 15 hours, no more than six may be from physical activities courses taught in Education: Physical Activity and Educational Services (EDU PAES); physical activities courses include all 100 level EDU PAES courses except for 102, 103, 122, 137, and 138. A maximum of 12 hours of technical credit may be counted toward the 15 hours of non-Arts and Sciences and non-Arts and Sciences-approved course work; however, the combination of EDU PAES, technical, and other non-Arts and Sciences credit hours may not exceed 15.

  - A minimum of 80 hours of Arts and Sciences or Arts and Sciences-approved upper-division course work. Upper-division courses are defined as all Arts and Sciences courses at the 300 level or above, Philosophy 250, all courses taught by departments in mathematical and physical sciences at the 200 level and above (except for courses numbered 294), and foreign language courses taught in the language at the 200 level. Your 60 upper-division hours may come from hours earned for the GEC, the major, and electives.

  - A minimum of 45 credit hours earned through regular course enrollment at Ohio State, and regular course enrollment in Arts and Sciences in your last quarter.

  In addition, you must have:

  - A cumulative grade point average (GPA) of at least 2.0 for all work attempted at Ohio State.

  - A cumulative GPA of at least 2.0 in your major.

  - An application for the degree on file in the Arts and Sciences Graduation Services office in 141 Denney Hall.
**General Education Curriculum (GEC) Requirements**

The curricular requirements are divided into four categories for the Bachelor of Science degree. In fulfilling the GEC, you may petition (in advance) in Arts and Sciences Advising and Academic Services to substitute upper-division courses that meet the spirit of the GEC for courses on the GEC. If you have transferred to Ohio State from another institution, you can often fulfill part of the GEC with approximately equivalent courses already taken. Your transfer course work will be reviewed in Arts and Sciences Advising, and courses that meet the spirit of the GEC will be applied to the GEC.

You must earn at least a D in a course for it to fulfill a GEC requirement. Courses taken on a pass/non-pass basis cannot be used to fulfill GEC requirements.

**Exclusivity of GEC, Major, and Minor Courses**

With the exceptions noted below, courses may not be counted on both the GEC and the major. Courses taken to fulfill GEC requirements may count on the minor unless specifically disallowed by an individual minor program. Courses may not be counted on both the major and the minor.

Some GEC courses are listed in more than one category; with the exceptions noted below, however, GEC courses may not be used to fulfill more than one GEC requirement.

**Courses Used to Fulfill More than One Requirement**

Courses used to fulfill the Diversity Experiences category may also count in another GEC category or on the major. The course used to fulfill the Writing and Related Skills Second Course may also be used to fulfill another GEC or major requirement [see courses designated with a dagger (!)].

**Group Studies and Individual Studies**

Group studies (X94 courses) and individual studies (X93 courses) are not acceptable for fulfilling GEC requirements except when a specific experimental course has been approved by the Arts and Sciences Committee on Curriculum and Instruction. If a course has been approved, it will be listed on this curriculum sheet.

**Requirements for the Major**

Your major program must consist of at least 40 hours of credit in courses numbered 200 or above as prescribed by your major advisor. Please note that many major programs require considerably more than 40 hours of credit. Your major may consist either of courses offered in only one department or of courses from allied departments; however, except for interdisciplinary majors, at least 20 of the 40 hours must be in courses offered by the department of the major. Your major may or may not include course work that fulfills the GEC third writing requirement. This requirement is not in effect for all majors; please consult with your major advisor.

You must earn at least a C- in a course in order for it to be listed on your major. However, you must receive a 2.0 cumulative GPA for all major course work. If you earn a D+, D, or an E in a course that is required for your major, the course cannot be counted toward the major. Your major advisor will decide if the course should be repeated or if another course should be substituted for it. Courses taken on a pass/non-pass basis cannot be used on the major.

Your major advisor must approve all courses comprising your major. If you change from one major or curriculum to another, consult with an Arts and Sciences advisor. Such changes may result in modifying requirements to an extent that your date of graduation might be delayed.

If you have transferred from another institution, you must have on the major program at least 20 credit hours earned at The Ohio State University. Your major advisor, the chairperson of the department concerned, and the appropriate assistant dean must approve any request for a variation in this policy.

**Arts and Sciences Bachelor of Science (BS) Majors**

The information contained in this curriculum sheet pertains to students following one of the majors listed below. In addition, each Arts and Sciences division offers the interdisciplinary honors contract and the personalized study program majors.

**Natural and Mathematical Sciences BS Majors**

1. Actuarial Science
2. Astronomy
3. Biochemistry
4. Biology
5. Chemistry
6. Computer and Information Science (admission is selective)
7. Evolution and Ecology
8. Geological Sciences
9. Mapping and Land Information Science
10. Mathematics
11. Microbiology
12. Molecular Genetics
13. Physics
14. Plant Cellular and Molecular Biology
15. Vision Science (open only to students enrolled in the College of Optometry)
16. Zoology

1 With the exception of astronomy, mapping and land information science, and physics, these majors are also available under the BA degree. See the Arts and Sciences BA curriculum sheet for the BA degree requirements.

**Social and Behavioral Science BS Majors**

1. Anthropological Sciences
2. Atmospheric Sciences
3. Economics
4. Geographic Information Science
5. Geography
6. Psychology

2 These majors are also available under the Bachelor of Arts (BA) degree. See the Arts and Sciences BA curriculum sheet for the BA degree requirements.

**Summary of BS Degree Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Skills</td>
<td>(20 - 45)</td>
</tr>
<tr>
<td>A. Writing and Related Skills</td>
<td>10</td>
</tr>
<tr>
<td>B. Quantitative and Logical Skills</td>
<td>10 - 15</td>
</tr>
<tr>
<td>C. Foreign Language</td>
<td>0 – 20¹</td>
</tr>
<tr>
<td>2. Breadth</td>
<td>(50)</td>
</tr>
<tr>
<td>A. Natural Science</td>
<td>20</td>
</tr>
<tr>
<td>B. Social Science</td>
<td>10</td>
</tr>
<tr>
<td>C. Arts and Humanities</td>
<td>10</td>
</tr>
<tr>
<td>D. Additional Breadth</td>
<td>10</td>
</tr>
<tr>
<td>3. Historical Study</td>
<td>(10)</td>
</tr>
<tr>
<td>4. Diversity</td>
<td>(0)</td>
</tr>
<tr>
<td>College Survey 100</td>
<td>(1)</td>
</tr>
<tr>
<td>Minimum hours required</td>
<td>181</td>
</tr>
</tbody>
</table>

Hours required for the GEC, your major, and available elective hours will bring your total credit hours to the minimum required for graduation.

¹ Course work or proficiency through the fourth language course (104) is required.
### GEC Requirements

#### Symbols

- Social Diversity in the United States course that also counts in another GEC category
- Second Writing course that also counts in another GEC category
- Natural Science course that also has a laboratory component
- International Issues non-western or global course that also counts in another GEC category
- International Issues western (non-United States) course that also counts in another GEC category

#### 1. Skills, 40 hours

##### A. Writing and Related Skills, 10 hours

The goal of courses in this category is to develop skills in writing, reading, critical thinking, and oral expression.

1. **First Course, 5 hours**
   - English 110.01, 110.02, 110.03

2. **Second Course, 5 hours**
   - Select one course from the following list.
     - African-American and African Studies 367.02•†, 367.03•†, 367.04•†
     - Agricultural Communication 367•
     - Arabic 367•†
     - Art Education 367.01•†, 367.02, 367.03•
     - Communication 367
     - Comparative Studies 367.01•†, 367.02•†, 367.03•†, 367.04•
     - Dance 367.01
     - Economics 367.011, 367.02†
     - Engineering 367•
     - English 367.01, 367.02•†, 367.03, 367.04, 367.05•, 367.06, 367.07
     - Environment and Natural Resources 367†
     - Film Studies 367.01, 367.02
     - German 367
     - History of Art 367†
     - Human Development and Family Science 367
     - Landscape Architecture 367†
     - Linguistics 367.01, 367.02
     - Modern Greek 367•
     - Nursing 367
     - Philosophy 367•
     - Physics 367†
     - Political Science 367.011
     - Psychology 367.011, 367.02†
     - Slavic Languages and Literatures 367•
     - Sociology 367.01H1, 367.021, 367.03H1
     - Spanish 367•
     - Theatre 367.01•†, 367.02•†, 367.03•
     - Women’s, Gender and Sexuality Studies 367.01•†, 367.02•†, 367.03•†, 367.04•†
     - Yiddish 367†

3. **Third Course**
   - Course work is taken as part of the major program. Note: this requirement is not in effect for all majors; please consult your major advisor.

- Arabic 611
- Art 595
- Art Education 467•
- Arts and Sciences 467•
- Chinese 580
- Communication 604, 629
- Comparative Studies 598
- Computer Science and Engineering 560
- Economics 508•
- English 398
- Evolution, Ecology, and Organismal Biology 440, 630, 647, 654.02
- German 540
- Hebrew 611
- History 598
- History of Art 415
- Japanese 501
- Medieval and Renaissance Studies 695
- Modern Greek 371†
- Molecular Genetics 503
- Physics 598
- Psychology 500, 510, 520
- Spanish 603
- Theatre 671, 672, 673, 674

##### B. Quantitative and Logical Skills, 10-15 hours

The goal of courses in this category is to develop logical reasoning, including the ability to identify valid arguments, use mathematical models, and draw conclusions based on quantitative data.

1. **Basic Computational Skills, 0-5 hours**
   - Attain Math Placement Level R or higher, or complete Mathematics 104.

2. **Mathematical and Logical Analysis, 10 hours**
   - Take Mathematics 151.01, 151.02, 151.03, or 151.04 and 152.

3. **Data Analysis**
   - Course work is taken as part of the major program or prerequisite work.

##### C. Foreign Language, 0-20 hours

The goal of courses in this category is to develop your skills in communication across ethnic, cultural, ideological, and national boundaries, and help you develop an understanding of other cultures and patterns of thought.

Course work or proficiency through the fourth language course (104) is required.

### Foreign Languages offered

<table>
<thead>
<tr>
<th>Language</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Sign Language</td>
<td>Italian, Somali</td>
</tr>
<tr>
<td>Arabic</td>
<td>Japanese, Spanish</td>
</tr>
<tr>
<td>Bulgarian</td>
<td>Korean, Swahili</td>
</tr>
<tr>
<td>Chinese</td>
<td>Latin, Swedish</td>
</tr>
<tr>
<td>Czech</td>
<td>Modern Greek, Tibetan</td>
</tr>
<tr>
<td>French</td>
<td>Persian, Turkish</td>
</tr>
<tr>
<td>German</td>
<td>Polish, Twi</td>
</tr>
<tr>
<td>Greek</td>
<td>Portuguese, Ukrainian</td>
</tr>
<tr>
<td>Hausa</td>
<td>Quechua, Urdu</td>
</tr>
<tr>
<td>Hebrew</td>
<td>Romanian, Uzbek</td>
</tr>
<tr>
<td>Hindi</td>
<td>Russian, Yiddish</td>
</tr>
<tr>
<td>Hungarian</td>
<td>Serbo-Croatian, Youba</td>
</tr>
<tr>
<td>Georgian</td>
<td>Shona, Zulu</td>
</tr>
</tbody>
</table>

* Some languages are not offered every quarter.

#### 2. Breadth, 50 hours

##### A. Natural Science, 20 hours

The goal of courses in this category is to foster an understanding of the principles, theories, and methods of modern science; the relationship between science and technology; and the effects of science and technology on the environment.

Select one two-course sequence in either the biological or the physical sciences, and two other courses. At least one of the four courses must be in the biological sciences and one in the physical sciences. At least one of the four courses chosen must have a laboratory component.

1. **course with a laboratory**

### Biological Science Sequences

<table>
<thead>
<tr>
<th>Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 113 - 114, 115H - 116H</td>
</tr>
</tbody>
</table>

### Physical Science Sequences

<table>
<thead>
<tr>
<th>Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy 171 - 172</td>
</tr>
<tr>
<td>Chemistry 101 - 102, 121 - 122, 201H - 202H</td>
</tr>
<tr>
<td>Earth Sciences 121 - 122</td>
</tr>
<tr>
<td>Physics 111 - 112, Physics 131 - 132</td>
</tr>
<tr>
<td>Physics 111 - Architecture 426</td>
</tr>
</tbody>
</table>

### Biological Science Courses

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Sciences 310</td>
</tr>
<tr>
<td>Anthropology 200</td>
</tr>
<tr>
<td>Biology 113, 114, 115H, 116H</td>
</tr>
<tr>
<td>Entomology 333</td>
</tr>
<tr>
<td>Environment and Natural Resources 201</td>
</tr>
<tr>
<td>Evolution, Ecology, and Organismal Biology 232, 235</td>
</tr>
<tr>
<td>Food Science and Technology 201</td>
</tr>
<tr>
<td>Horticulture and Crop Science 200, 300</td>
</tr>
</tbody>
</table>
C. Arts and Humanities, 10 hours

The goal of courses in this category is for you to evaluate significant writing and works of art. Such studies develop capacities for aesthetic and historical response and judgment; interpretation and evaluation; critical listening, reading, seeing, thinking, and writing; and experiencing the arts and reflecting on that experience.

Select 10 credit hours from the following lists, with at least five credit hours from the literature section and five credit hours from the visual/performing arts section. A maximum of five hours is permitted from the area of the major, but these hours may not be counted on the major.

(1) Literature, 5 hours

African-American and African Studies 154, 251, 254, 271, 345, 367.02*, 367.03*, 367.04*, 551*

Arabic 237, 372, 375

Chinese 251, 501, 502, 503, 504*

Classics 101*, 102, 222, 327


English 201, 202*, 220*, 260, 261, 262, 275, 280, 281*, 290, 291, 361, 367.02*, 367.03 (AU 10 and earlier), 372

French 150*, 151, 152*, 250

German 250, 263H, 291, 292, 399*

Hebrew 370, 372*, 373*, 374*, 378*

Italian 151*, 152*, 251

Japanese 251*, 252*

Korean 251*

Modern Greek 250H, 371*

Near Eastern Languages and Cultures 372*, 374*

Persian 370*, 371*, 374


Portuguese 150*, 159*

Russian 250*, 251*

Scandinavian 222, 500, 513

Slavic Languages and Literatures 245*, 251*

Spanish 320*, 321*, 520*

Theatre 367.021

Turkish 371*, 372*

Women’s, Gender and Sexuality Studies 215, 367.01*, 367.02*, 367.03*, 372*

Yiddish 371*, 399*

(2) Visual/Performing Arts, 5 hours

African-American and African Studies 288*, 376*, 571*

Architecture 271

Art 205, 206, 300.01, 300.02, 340, 455H

Art Education 160, 252, 367.01*

Comparative Studies 358*, 366* (AU 10 and later)

Danse 161, 200

East Asian Languages and Literatures 346

English 263, 269

Film Studies 270

Hebrew 245, 345


Italian 221*

Korean 505*

Landscape Architecture 201

Medieval and Renaissance Studies 210*

Modern Greek 268*

Music 250*, 251*, 252, 253, 288*, 341, 342, 345.01, 347*, 348*, 349

Philosophy 240, 242H, 294 (SP 11)

Physics 455H

Russian 360*

Scandinavian 520*

Slavic Languages and Literatures 360

Spanish 322*, 330*, 380*


Women’s, Gender and Sexuality Studies 230, 317

(3) Cultures and Ideas

African-American and African Studies 303*, 342*, 485.01*

Allied Medicine 307

Anthropology 241*

Arabic 241*, 367*, 377*

Art Education 255*

Arts and Sciences 230, 265* (SP 11 and later), 500

Chinese 231*, 232*

Classics 224*, 225*, 226*, 230*, 240*, 250
Comparative Studies 170, 234*, 241*, 242*, 264, 270*, 272*, 274, 275, 305*, 336* (SU 10 and earlier), 339*, 345, 367.01•*, 367.02•, 367.03•, 373*, 376*, 377*
Dance 357*
East Asian Languages and Literatures 131*, 341*
Economics 500
Environment and Natural Resources 367*
French 153
German 275*, 299*, 360, 590H*
Hebrew 218*, 241*, 376*, 379
History 306*, 330.01*, 346*
History of Art 306*, 570
Japanese 231*
Jewish Studies 201*
Korean 231*
Landscape Architecture 3671
Linguistics 201, 301, 303*
Modern Greek 200*, 241*
Near Eastern Languages and Cultures 241*, 244*, 311, 341, 344*, 345*, 351*, 358, 360, 370*, 380
Persian 241*
Philosophy 101, 130, 131.01, 170, 230, 270, 336*
Portuguese 330*, 331*, 335
Romanian 235*
Russian 135*, 235*
Slavic Languages and Literatures 130*
Spanish 150*, 151*, 242*, 331*, 332*
Turkish 241*
Women’s, Gender and Sexuality Studies 110* (AU 10 and later) (101*), 282*
Yiddish 241*, 3671

D. Additional Breadth, 10 hours

In addition to the individual Breadth requirements above, you must select two courses from any of the Breadth areas, including those from the
Cultures and Ideas category, from course work in Mathematics beyond the
level of 152 (excluding 161, 161A, and 161H) or Statistics at or above the
level of 400, or from courses approved to fulfill the issues of the
Contemporary World requirement on the Bachelor of Arts degree, to
complete 50 Breadth hours. Neither of the additional breadth courses may
be selected from the area of the major.

3. Historical Study, 10 hours

The goal of courses in this category is to develop your knowledge of how past events influence today’s society and help you understand how humans
view themselves.

Choose two courses. The first course should be selected from the following list or from any History department offering at the 300 level (except for 394
and 398). Note that History 394 and 398 may not be used for either the first or
second Historical Study course.

African-American and African Studies 121*, 122*, 323.01, 323.02, 555.01, 555.02
Classics 323
Economics 500, 515*, 516*
Education: Physical Activity and Educational Services 210, 211
Engineering 360.01, 360.02
History 111*, 112*, 121*, 122*, 141*, 142*, 151, 152, 171*, 172*, 181*, 182*
History of Art 201*, 202*
International Studies 210*
Philosophy 111H*, 112H*, 280
Women’s, Gender and Sexuality Studies 322H*

The second course can be any of the above or any History course at the 500
level (except for 593, 594, 597, and 598).

4. Diversity, 0 hours

(A) Social Diversity in the United States

The goal of courses in this category is to foster an understanding of the
pluralistic nature of institutions, society, and culture in the United States.

You should overlap social diversity courses with another GEC category or
your major. If you do not overlap social diversity courses with another GEC
category or your major, the social diversity requirement must still be met.

Select one course from the list below. Courses designated with a dot (*) also
count in another GEC category.

Social Diversity Courses (*)
African-American and African Studies 200, 230, 243, 288*, 303*, 367.02•, 367.03•, 367.04•, 376*, 551*, 571*
Agricultural Communication 367*
Arabic 367*
Art Education 255*, 367.01•, 367.03*, 467*
Arts and Sciences 467*
Biology 597*
Comparative Studies 205*, 234*, 241*, 242*, 243, 336*, 367.01•, 367.02•, 367.03*, 367.04*
Dance 357*
Economics 482, 485
Education: Educational Policy and Leadership 551, 552
Education: Teaching and Learning 559*
Engineering 367*
English 281*, 282*, 367.01*, 367.02•, 367.03 (AU 10 and earlier), 367.05*
Geography 400
History 322*, 324* (AU 09 and later), 325*, 346*, 394* (WI 10)
Linguistics 303*, 367.01*, 372*
Modern Greek 367*
Music 288*
Philosophy 336*, 367*
Political Science 508
Psychology 100*, 375, 646
Rural Sociology 105*
Slavic Languages and Literatures 367*
Social Work 300, 301
Sociology 101*, 306, 382, 435, 467, 608
Spanish 242*, 367*
Speech and Hearing Science 310
Theatre 100*, 367.01*, 367.02*, 367.03*
Women’s, Gender and Sexuality Studies 110* (101*), 322*, 322H*, 367.01•, 367.02•, 367.03•, 367.04•, 370, 510, 520

(B) International Issues

The goal of courses in this category is to help you become an educated,
productive, and principled citizen of your nation and the world.

You should overlap international issues courses with another GEC category or
your major. If you do not overlap international issues courses with another GEC
category or your major, the international issues requirement must still be met.

Select two international issues courses. One must be a non-western or global
course (designated with a star [*]). The other course may be another non-
western or global course, or a western (non-U.S.) course (designated with a
diamond (♦)).

Non-Western or Global GEC Courses (*)
African-American and African Studies 121, 122, 251, 342, 485.01
Agricultural, Environmental, and Development Economics 280
Anthropology 201, 202, 241
Arabic 241, 371, 372, 377
Arts and Sciences 265 (SP 11 and later)
Chinese 231, 232, 251, 501, 502, 503, 504
Communication 597.01
Comparative Studies 100, 202.01, 202.02, 270, 301, 306, 308, 314, 315, 339, 373, 376, 377
East Asian Languages and Literatures 131, 341
Economics 508, 515, 516
French 152
Geography 200, 240, 450
Hebrew 216, 241, 370, 372, 373, 374, 376, 378
History 121, 122, 141, 142, 171, 172, 181, 182, 330.01, 366.01
History of Art 213, 216, 260, 505, 576, 582
Japanese 231, 251, 252
Korean 231, 251, 505
Linguistics 170, 375 (365)
Medieval and Renaissance Studies 211, 213, 214, 216, 218
Music 250, 348
Near Eastern Languages and Cultures 241, 244, 344, 345, 351, 370, 372, 374
Persian 241, 370, 371
Philosophy 215
Political Science 100, 145, 245, 541
Portuguese 150, 159, 330, 331, 597.01, 597.02
Rural Sociology 378
Russian 135, 235, 250, 251, 360
Slavic Languages and Literatures 251
Spanish 151, 330, 331, 332, 380, 520
Turkish 241, 371, 372
Women’s, Gender and Sexuality Studies 332, 372

Western (non-United States) Courses (*)
Classics 101, 102, 222, 224, 225, 226, 230, 240
Comparative Studies 201, 203, 204, 240H, 272, 273, 305, 358
English 201, 202, 220
French 150, 151
German 260.01, 260.02, 260.03, 263H, 275, 291, 292, 299, 399, 590H
History 111, 112, 306
History of Art 201, 202, 300, 306, 315, 519, 520, 525
International Studies 210
Italian 151, 152, 221
Jewish Studies 201
Linguistics 307
Medieval and Renaissance Studies 210, 212, 215, 217, 219, 226, 240
Modern Greek 200, 241, 268, 371
Music 251, 347
Philosophy 111H, 112H, 301, 302, 303, 304, 305, 307
Political Science 532
Romanian 235
Scandinavian 222, 520
Slavic Languages and Literatures 130, 245
Spanish 150, 320, 321, 322
Yiddish 241, 371, 399

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