CURRICULUM TRANSFER AGREEMENT

Earn your associate degree from Sinclair College and then transfer seamlessly to University of Dayton to earn your bachelor's degree.

**Associate of Science**  
Mathematics  

**to**  
**Bachelor of Science**  
Applied Mathematical Economics Major

Students interested in UD Sinclair Academy program benefits must apply to the Program through the UD Sinclair Academy website at [https://www.udayton.edu/academy/index.php](https://www.udayton.edu/academy/index.php).

### FIRST YEAR

<table>
<thead>
<tr>
<th>Sinclair College</th>
<th>Transfer Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUBJECT CODE</strong></td>
<td><strong>COURSE NUMBER</strong></td>
</tr>
<tr>
<td><strong>FALL SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CIS</strong></td>
<td>1111</td>
</tr>
<tr>
<td><strong>ENG</strong></td>
<td>1101</td>
</tr>
<tr>
<td><strong>MAT</strong></td>
<td>2270</td>
</tr>
<tr>
<td><strong>HIS</strong></td>
<td>1112</td>
</tr>
<tr>
<td><strong>SCC</strong></td>
<td>1101</td>
</tr>
<tr>
<td><strong>SPRING SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CIS</strong></td>
<td>2212</td>
</tr>
<tr>
<td><strong>COM</strong></td>
<td>2206 or 2211</td>
</tr>
<tr>
<td><strong>ECO</strong></td>
<td>2180</td>
</tr>
<tr>
<td><strong>MAT</strong></td>
<td>2280</td>
</tr>
<tr>
<td><strong>PHI</strong></td>
<td>2205 or 2206</td>
</tr>
</tbody>
</table>

Total Hours: 32  
Total Hours: 30

*Completion of all three courses (CIS 2212, 2217, and 2266) will be granted equivalent courses as CPS 150 and 151.

**COM 2206 or 2211 will meet the communication requirement at the University of Dayton with the completion of the Associate Degree.
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### SECOND YEAR

<table>
<thead>
<tr>
<th>Sinclair College</th>
<th>Transfer Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUBJECT CODE</strong></td>
<td><strong>COURSE NUMBER</strong></td>
</tr>
<tr>
<td><strong>FALL SEMESTER</strong></td>
<td></td>
</tr>
</tbody>
</table>
| BIO | 1171 or 1211 or 2201 | Principles of Biology I  
General Chemistry I  
General Physics I  
Natural Sciences OTM Elective | 5 | BIO | 115+115L  
1GF+1GFL  
206+210L | Concepts of Biology I  
General Chemistry I  
General Physics I – Mechanics | 3+1 |
| CHE | 1217 | Java Software Development II | 3 | CPS | 1XX | Non-Equivalent Course | 3 |
| PHY | 2160 | Principles of Macroeconomics | 3 | ECO | 204 | Principles of Macroeconomics | 3 |
| MAT | 2290 | Calculus & Analytic Geometry III | 5 | MTH | 218 | Analytic Geometry & Calculus III | 4 |
| **SPRING SEMESTER** | | | | | | | |
| BIO | 1272 or 1221 or 2202 | Principles of Biology II  
General Chemistry II  
General Physics II  
Natural Sciences OTM Elective | 5 | BIO | 116+116L  
1GS+1GSL  
207+211L | Concepts of Biology II  
General Chemistry II  
General Physics II – Electricity & Magnetism | 3+1 |
| CHE | 2266 | Python for Data Analytics | 3 | CPS | 1XX | Non-Equivalent Course | 2 |
| PHY | 1100 or 1101 | General Psychology  
Introduction to Sociology  
Social & Behavioral Sciences OTM Elective | 3 | PSY | 101 or 101 | Introductory Psychology  
Principles of Sociology | 3 |
| REL | 1111 or 1112 | Eastern Religions  
Western Religions  
Multicultural Elective | 3 | REL | 103 | Introduction to Religious and Theological Studies | 3 |

**Total Hours:** 30  
**Total Hours:** 26

*Completion of all three courses (CIS 2212, 2217, and 2266) will be granted equivalent courses as CPS 150 and 151.*  
**Select one natural science discipline and take the second course in the same discipline area chosen for the first course.*  
***Completion of both CHE 1211 and CHE 1221 are required for transfer credit. Consult with Sinclair College Advisor for course sequencing.*  
****PSY 1100 or SOC 1101 will meet the social science integrated course requirement at the University of Dayton with the completion of 30 credit hours.*  
*****CIS 2212 will be substituted for MAT 2310 or MAT 2600, and CIS 2217 for MAT 2320 to meet Associate Degree requirements.*

Total Credit Hours for Associate Degree: 62

**Students are recommended to complete the following additional coursework at Sinclair in order to graduate in a timely manner from UD:**

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2020-2021 Articulation Agreement (09.10.2020)
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Applied Mathematical Economics  
Major

<table>
<thead>
<tr>
<th>SUBJECT CODE</th>
<th>COURSE NUMBER</th>
<th>SINCLAIR CREDIT HOUR</th>
<th>COURSE TITLE</th>
<th>UD COURSE #</th>
<th>UD CREDIT HOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG</td>
<td>1201</td>
<td>3</td>
<td>English Composition II</td>
<td>ENG 200</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td><strong>3</strong></td>
<td></td>
<td></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

### Remaining Courses to Be Completed at UD for BS in Applied Mathematical Economics

**Sample Curriculum**

<table>
<thead>
<tr>
<th>Fall Semester Third Year</th>
<th>Spring Semester Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course</strong></td>
<td><strong>Course</strong></td>
</tr>
<tr>
<td>ECO 346</td>
<td>MTH 310</td>
</tr>
<tr>
<td>ENG 200</td>
<td>MTH 412</td>
</tr>
<tr>
<td>MTH 308</td>
<td>CAP Crossing Boundaries: Practical Ethical Action</td>
</tr>
<tr>
<td>MTH 411</td>
<td>CAP Crossing Boundaries: Faith Traditions</td>
</tr>
<tr>
<td>CAP Crossing Boundaries: Integrative</td>
<td>CAP Arts</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>General Elective</strong></td>
</tr>
<tr>
<td><strong>15</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

### Fall Semester Fourth Year | Spring Semester Fourth Year

<table>
<thead>
<tr>
<th><strong>Course</strong></th>
<th><strong>Course</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 347</td>
<td>MTH 480 (Capstone)</td>
</tr>
<tr>
<td>ECO 441</td>
<td>ECO Elective 300/400 Level</td>
</tr>
<tr>
<td>MTH 330</td>
<td>CAP Advanced Philosophical or Religious Studies</td>
</tr>
<tr>
<td>CAP Advanced Historical Studies</td>
<td>CAP Diversity and Social Justice</td>
</tr>
<tr>
<td>CAP Advanced Philosophical or Religious Studies</td>
<td>General Elective</td>
</tr>
<tr>
<td>General Elective</td>
<td>General Elective (Optional)</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Total Credit Hours for Bachelor’s Degree: 120
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Major

1. ADMISSIONS & DEADLINES

What are the admissions requirements and deadlines for being generally admitted to the University? Are there any specific admissions requirements for this program? If there is a website that lists this information please include that below.

*Students must earn a minimum 3.0 GPA from Sinclair in order to transfer to UD.*

*Students interested in applying to the UD Sinclair Academy must submit an application at [https://www.udayton.edu/academy/](https://www.udayton.edu/academy/)*

*High School students must have completed their junior year before applying to the Academy and current Sinclair students must earn a minimum 3.0 GPA and complete 15 credit hours from their program pathway.*

*Application deadlines to the UD Sinclair Academy:*

- **Fall Semester:** August 1<sup>st</sup>
- **Spring Semester:** February 1<sup>st</sup>

2. TUITION & SCHOLARSHIPS

Where can a student find information about tuition and scholarship opportunities at the University? Are there any specific scholarships that a student could strive for?

*Students interested in scholarship opportunities at UD should contact:*

*Office of Admission and Financial Aid*

*Albert Emmanuel Hall*

*300 College Park*

*937.229.1000*

3. MORE INFORMATION

Anything else you would like for us to publish on our transfer agreement for Sinclair students interested in transferring to your university? Where can students find more information about your university and 2020-2021 Articulation Agreement (09.10.2020)
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4. CONTACT INFORMATION

Who can students contact for more information (name, title, email, phone)?

Sinclair College
Academic Advising Center
Building 10-301
444 W. Third St.
937.512-3700

University of Dayton
Office of Admission & Financial Aid
Albert Emanuel Hall
300 College Park
937.229.1000