AS in Computer Science (ASCS) Degree Worksheet – For students intending to transfer to a BS in Computer Science program

2021-22 Catalog

Computer Science Transfer Core

4 courses

CS160	Computer Science Orientation★	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS260	Data Structures	4

To build an academic plan with your adviser, log on to **my.mhcc.edu**, click on **Navigate**, then on **Planner**. To check your official progress toward graduation, log on to MyMHCC and click **View My Degree Audit**.

Oral Communication

1 course

COMM111	Fundamentals of Public Speaking★	4

Science

2 or 3 courses, depending on university transfer plan

If transferring to PSU, OSU or UO:

Complete one of the following 3-course sequences:

1. **Biology**: BI211, 212, and 213; **or**
2. **Chemistry**: CH221, 222, and 223; **or**
3. **Physics with Calculus**: PH211, 212, and 213.

If transferring to EOU, SOU or WOU:

Complete any two (2) lab science courses.

Computer Science Elective

Minimum of 3 courses

_____ Credits:_____

_____ Credits:_____

_____ Credits:_____

CS201	Computer Architecture & Assembly Programming	4
CS205**	**Systems Programming & Architecture**	**4**
CS250**	**Discrete Structures I**	**4**
CS251**	**Discrete Structures II**	**4**
CIS151	Introduction to Networks	4
CIS197CSP	Web Authoring: Client-Side Programming	3
CIS197HTM	Web Authoring: HTML5 and CSS3★	3
CIS279S	Windows Server OS	4
CIS284S	Preparation for Security+★	4
ISTM140L	Preparation for Linux★	4
ISTM183C	Fundamentals of Cybersecurity	3
ISTM235MA	Mobile Apps 1: Intro to iOS Mobile App Dev.	3
ISTM283F	Practical Digital Forensics	3
ISTM284E	Ethical Hacking	3
ENGR201	Electrical Fundamentals I	5
ENGR248	Engineering Graphics: Solidworks	3
MTH243	Statistics I★	4

**** = Required if transferring to PSU, OSU or UO.**

Arts & Letters

2 courses, 6-8 credits

_____Credits:____

_____Credits:____

Please note that performing art and/or visual art may not transfer for Computer Science majors at several universities.

Written Communication

2 courses

If transferring to PSU, OSU or UO:

WR121	English Composition★	4
WR227	Technical Report Writing★	4

If transferring to EOU, SOU or WOU:

WR121	English Composition★	4
WR122	English Composition: Critical Thinking ★	4

Social Science

2 courses, 6-8 credits

_____Credits:____

_____Credits:____

Mathematics

2 courses

MTH251	Calculus I: Differential Calculus	5
MTH252	Calculus II: Integral Calculus	5

Health & Physical Education

3 credits – *HPE295 recommended*

_____Credits:____

3 credit hours of PE185 may be granted toward an Associate degree at MHCC for completion of military basic training. A copy of the DD214 form or Joint Services Transcript is required.

Electives

If needed, to reach 90 degree credits

_____ Credits:_____

_____ Credits:_____

_____ Credits:_____

_____ Credits:_____

_____ Credits:_____

For complete lists of course options in each category, please visit **catalog.mhcc.edu/degree-certificate-requirements/ascs**

MT. HOOD COMMUNITY COLLEGE

This degree guide is to be used for informational purposes only and is not an official record of student progress toward degree completion. Please note: Courses may not be repeated for credit unless specified in the course description. *Up to 6 credits of PE185, 15 credits of IECC201, and 12 credits of Lower Division Collegiate Cooperative Education Internship may be applied as elective credits to the AS. Courses must be numbered 100 or higher.*

★ *denotes courses that are regularly offered online.*