Computer Science

Secondary Admission Criteria

1) Overall GPA of 2.5 or above in all Grand Valley State University coursework.

2) Completion of each course in the Computer Science foundation with a grade of C (2.0) or above. Foundation courses are designated by an asterisk (*) on this guide.

3) GPA of 2.5 or above in the Computer Science foundation.

1st Semester Fall: 14 credits

MTH 201	Calculus 1	4 credits
*CIS 162	Computer Science 1	4 credits
HNR 151	Interdisciplinary Seq. 1	3 credits
HNR 152	Interdisciplinary Seq. 2	3 credits

2nd Semester Winter: 16 credits

*CIS 163	Computer Science II	4 credits
*MTH 225	Discrete Structures: CS	3 credits
*COM 201	Speech	3 credits
HNR 153	Interdisciplinary Seq. 3	3 credits
HNR 154	Interdisciplinary Seq. 4	3 credits

3rd Semester Fall: 15 credits

*STA 215	Intro Applied Statistics	3 credits
MTH 325	Discrete Structures: CS 2	3 credits
CIS 241	Sys-level Program & Util	3 credits
HNR 201	Live. Learn. Lead.	3 credits
HNR 200	C/C Engagement	3 credits

4th Semester Winter: 13-14 credits

CIS 263	Data Struct & Algorithms	3 credits
CIS 290	Prof Resp & Practices	3 credits
CIS 351	Comp Org & Assy Lang	4 credits
MTH/STA Elec	Options in Major Notes	3-4 credits

5th Semester Fall: 13-14 credits

CIS 350	Intro to Software Egr	3 credits
CIS 353	Database	3 credits
Sci. Cognate	Options in Major Notes	4-5 credits
HNR 350	Integrative Seminar	3 credits

6th Semester Winter: 14-15 credits

CIS 343	Struct of Program Lang	3 credits
CIS 457	Data Comm	4 credits
Sci. Cognate	Options in Major Notes	4-5 credits
Computer Science Elective		3 credits

Spring/Summer Semester: 2-5 credits

CIS 490	Internship	2-5 credits

7th Semester Fall: 13-16 credits

CIS 452	Operating Sys Concepts	4 credits
Computer Science Elective		3 credits
Free Elective(s)		6-9 credits

8th Semester Winter: 15 credits

CIS 467	CS Project	3 credits
WRT 350	Business Comm	3 credits
Computer Science Elective		3 credits
Free Elective(s)		6 credits

It is important to meet with a professional advisor in the PCEC Advising Center on a regular basis. The PCEC Advising Center is located in B-3-241 Mackinac Hall and 101 Eberhard Center. Please call 616-331-6025 or go online at www.gvsu.edu/pcec/advising to schedule an appointment.

Computer Science

Major Notes

1) MTH or STA: Please select one of the following courses: MTH 202, MTH 204, MTH 465, STA 216 or STA 418
2) Sci. Cognate: Students may choose from BIO 120, BIO 121, BMS 202, CHM 115, CHM 116, GEO 111, PHY 220, PHY 221, PHY 230 and PHY 231.

Honors

The Frederik Meijer Honors College and the School of Computing and Information Systems have approved the following substitutions for the honors curriculum:

1) CIS 353 fulfills the HNR 251 requirement.
2) CIS 467 fulfills the HNR 401 and HNR 499 requirements.

Students are encouraged to plan ahead and submit a proposal for how they plan to fulfill the HNR 200 requirement. All students must complete 3 credits of HNR 200 before graduation. It can be take as a 1-credit, 2-credit, or 3-credit course. There are three options for fulfilling this honors requirement: **pre-approved activity**, **pre-approved course substitution**, or **an activity or course**. Please work with an honors advisor to determine the best fit for you.

Recommendations

It is strongly encouraged that students do not begin or break curriculum thread by taking courses at other institutions.

For example:
Taking MTH 201 equivalent elsewhere, then return to Grand Valley and continuing in the math thread with MTH 202.

PCEC Advisors

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