

# Washtenaw Community College Comprehensive Report

## CPS 298 Professional Team Programming Effective Term: Spring/Summer 2021

### Course Cover

**Division:** Business and Computer Technologies

**Department:** Computer Science & Information Technology

**Discipline:** Computer Science

**Course Number:** 298

**Org Number:** 13400

**Full Course Title:** Professional Team Programming

**Transcript Title:** Professional Team Programming

**Is Consultation with other department(s) required:** No

**Publish in the Following:** College Catalog , Time Schedule , Web Page

**Reason for Submission:**

**Change Information:**

**Consultation with all departments affected by this course is required.**

**Pre-requisite, co-requisite, or enrollment restrictions**

**Rationale:** Updating prerequisites per department directive.

**Proposed Start Semester:** Fall 2019

**Course Description:** The goal of this course is to simulate the industrial experience of working in teams. Students will work in teams using version control software (GIT, GitHub) to manage their projects. The course explores the advantages and disadvantages of leading project planning and software development methodologies, such as Agile, Waterfall, Scrum and Extreme Programming. Students will learn and apply industry practices, such as Pair Programming and Test Driven Development.

### Course Credit Hours

**Variable hours:** No

**Credits:** 4

**Lecture Hours: Instructor:** 60 **Student:** 60

**Lab: Instructor:** 0 **Student:** 0

**Clinical: Instructor:** 0 **Student:** 0

**Total Contact Hours: Instructor:** 60 **Student:** 60

**Repeatable for Credit:** NO

**Grading Methods:** Letter Grades

Audit

**Are lectures, labs, or clinicals offered as separate sections?:** NO (same sections)

### College-Level Reading and Writing

College-level Reading & Writing

### College-Level Math

Level 4

### Requisites

**Prerequisite**

CPS 251 minimum grade "B-"

or

**Prerequisite**

CPS 261 minimum grade "B-"

or

**Prerequisite**

CPS 271 minimum grade "B-"

or

**Prerequisite**

CPS 276 minimum grade "B-"

or

**Prerequisite**

CPS 278 minimum grade "B-"

**General Education****Request Course Transfer****Proposed For:****Student Learning Outcomes**

1. Develop a team programming project.

**Assessment 1**

Assessment Tool: Group project

Assessment Date: Winter 2021

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 70% of students will score 75% or higher

Who will score and analyze the data: Departmental faculty

**Course Objectives**

1. Work effectively in groups.
2. Share responsibility for the project.
3. Develop a useful working product.

**New Resources for Course****Course Textbooks/Resources**

Textbooks

Manuals

Periodicals

Software

**Equipment/Facilities****Reviewer****Action****Date****Faculty Preparer:***Philip Geyer**Faculty Preparer**Jan 08, 2019***Department Chair/Area Director:***Philip Geyer**Recommend Approval**Jan 08, 2019***Dean:***Eva Samulski**Recommend Approval**Jan 09, 2019*

**Curriculum Committee Chair:**

*Lisa Veasey*

*Recommend Approval*

*Dec 02, 2020*

**Assessment Committee Chair:**

*Shawn Deron*

*Recommend Approval*

*Dec 04, 2020*

**Vice President for Instruction:**

*Kimberly Hurns*

*Approve*

*Dec 07, 2020*