2022-2023 Undergraduate Curriculum
Game Design & Development (GAMEDES-BS)

Year One

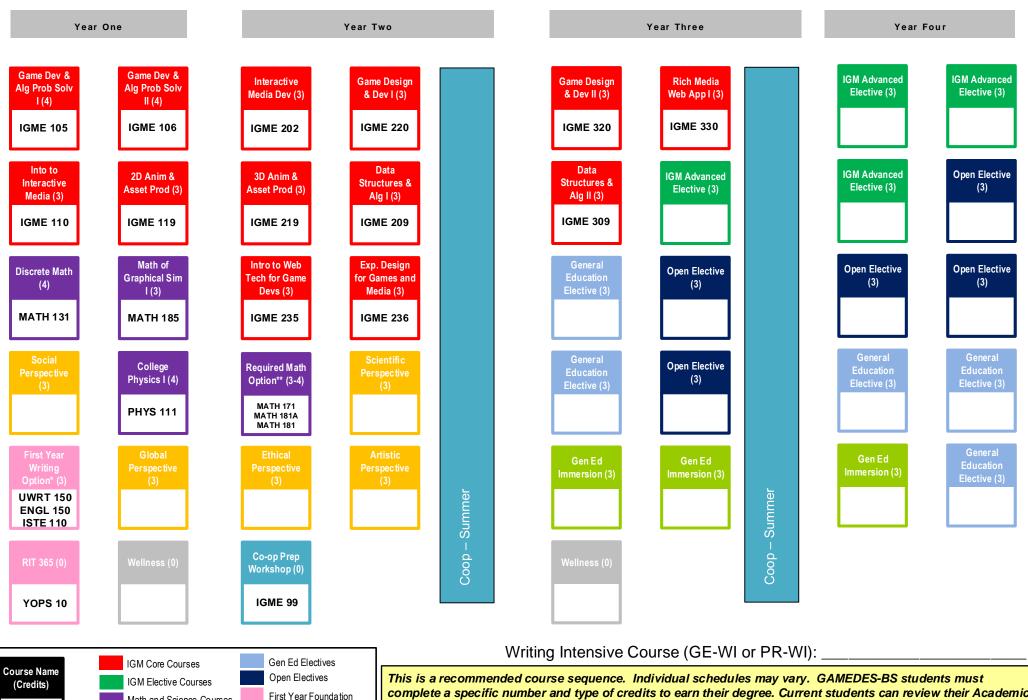|	
Game Dev & Alg Prob Solv I (4) — IGME 105	Game Dev & Alg Prob Solv II (4) — IGME 106
Into to Interactive Media (3) — IGME 110	2D Anim & Asset Prod (3) — IGME 119
Discrete Math (4) — MATH 131	Math of Graphical Sim I (3) — MATH 185
Social Perspective (3)	College Physics I (4) — PHYS 111
First Year Writing Option* (3) — UWRT 150 / ENGL 150 / ISTE 110	Global Perspective (3)
RIT 365 (0) — YOPS 10	Wellness (0)

Year Two

Interactive Media Dev (3) — IGME 202	Game Design & Dev I (3) — IGME 220
3D Anim & Asset Prod (3) — IGME 219	Data Structures & Alg I (3) — IGME 209
Intro to Web Tech for Game Devs (3) — IGME 235	Exp. Design for Games and Media (3) — IGME 236
Required Math Option** (3-4) — MATH 171 / MATH 181A / MATH 181	Scientific Perspective (3)
Ethical Perspective (3)	Artistic Perspective (3)
Co-op Prep Workshop (0) — IGME 99	

Coop – Summer

Year Three

Game Design & Dev II (3) — IGME 320	Rich Media Web App I (3) — IGME 330
Data Structures & Alg II (3) — IGME 309	IGM Advanced Elective (3)
General Education Elective (3)	Open Elective (3)
General Education Elective (3)	Open Elective (3)
Gen Ed Immersion (3)	Gen Ed Immersion (3)
Wellness (0)	

Coop – Summer

Year Four

IGM Advanced Elective (3)	IGM Advanced Elective (3)
IGM Advanced Elective (3)	Open Elective (3)
Open Elective (3)	Open Elective (3)
General Education Elective (3)	General Education Elective (3)
Gen Ed Immersion (3)	General Education Elective (3)

Legend:

Course Name (Credits) / Course Number

- **IGM Core Courses** (red)
- **IGM Elective Courses** (green)
- **Math and Science Courses** (purple)
- **Gen Ed Perspectives** (orange)
- **Gen Ed Immersion** (light green)
- **Gen Ed Electives** (light blue)
- **Open Electives** (dark blue)
- **First Year Foundation** (pink)
- **Co-op** (teal)
- **Wellness** (gray)

Writing Intensive Course (GE-WI or PR-WI): _____

This is a recommended course sequence. Individual schedules may vary. GAMEDES-BS students must complete a specific number and type of credits to earn their degree. Current students can review their Academic Advising Report to view their degree requirements in real time.

You are encouraged to make contact with your advisor at least once per term. Your advisor can guide your course planning, and help solve scheduling problems.

Writing Intensive Requirements*

RIT required all students to complete three Writing Intensive (WI) courses. The courses come from the degree program (IGME 236), the First Year Writing Program (UWRT 150 or ENGL 150 or ISTE 110), and one General Education Writing Intensive (GE-WI) course or one Program Writing Intensive (PR-WI) course of your choosing.

Math Requirements**

GAMEDES-BS students are required to complete a minimum three-course math sequence. The score on the Math Placement Exam (MPE) determines the first course in the math sequence, though typically it will be MATH 131 or MATH 101. Students can opt to take MATH 171, MATH 181A, or MATH 181. Placement in MATH 171, MATH 181A, or MATH 181 is determined by the MPE score.

Wellness Education Requirement

All students must complete two different wellness courses. Details and a list of courses can be found on SIS.

Co-op

All students must complete two full semesters of co-op.
In order to be eligible for co-op, GAMEDES-BS students should:
- begin Co-op search in the fall of second year.
- Complete IGME 99.
For more information regarding co-op, please speak with your Advisor.

Perspectives

Choose a course for the *Social*, *Artistic*, *Ethical*, *Global*, and *Scientific* perspectives. Use the course search functionality of SIS to search for classes in each of these perspectives.

IGM Advanced Electives

See your Academic Advising Report in SIS to find classes that fulfill the requirements for IGM Advanced Electives.

Immersion (Required for your degree)

All RIT students must complete one Immersion, which is a set of three courses within one topic area. It will provide an in-depth exploration of topics from within Liberal Arts, Math, or Science. For information about Immersions, please visit: https://www.rit.edu/study/immersions or speak to a Liberal Arts, Math, or Science advisor. An Immersion is a graduation requirement.

General Education Electives

General Education Electives are courses coded with the General Education Elective attribute on SIS. General Education courses typically come from the College of Liberal Arts and the College of Science. You can easily search for all general education electives using the Advanced Search in SIS.

Open Electives

Any course at RIT can count towards open electives.

Minors (Optional for your degree)

A minor is a cohesive set of five or more classes taken within a discipline that allows a student a more in-depth study of a topic outside their primary degree program. A minor is also indicated on a student's academic transcript. Some popular minors for IGM students include Computer Science, Japanese Language, Web Development, Entrepreneurship, Psychology, and Communication. See https://www.rit.edu/study/minors.

Additional Notes

GAMEDES-BS students must complete a specific number and type of credits to earn their degree. Please review your Academic Advising Report (AAR) to view your degree requirements in real time.