Overview of activities

Business as usual

• Regular meetings 3rd Friday of month 10am to noon.

• Course Approved – Syllabi pending
  • How Biophysical, Chemical and Computational Strategies Impact Biological Research – BCCB; 6 credits, 5-page course and 3-page pathway review
  • Quantitative Modeling and Analysis – SCQB addition to BBS764; 2 credits, 3-page course and 1-page program review

• Courses in Process – Syllabi provided
  • Professional Development for Biomedical Graduate Internship Course, 1 credit
  • Responsible Conduct of Research, 2 Credits, BBS, BCCB, PHS & MD/PhD pathways

Related program/pathway development

Program approval is not within purview of CC! But program approval requires approved courses.

• BCCB: Biophysics Chemistry and Computational Biology Pathway, new entry pathway, not part of Umbrella

• SCQB: Systems Computational and Quantitative Biology, new BBS umbrella program

• Outlook: RNA Biology
The Intentionally Designed and Aligned Curriculum – 1st focus group (03/06/24)

World Skills (Cross disciplinary)

- Critical Thinking
- Innovation
- Teamwork in various context
- Communicating with different media
- Citizenship
- Data analysis, Domain knowledge, what is common to “biomedical sciences”, Coding, AI, Ethics, leadership
- Subject Experts Domain & Project

What to learn (aka what is our goal)

SME vs. World Skills

Problem based (lab)

How to teach it

How to assess
The Intentionally Designed and Aligned Curriculum – what is today about?

Perspectives & Ideas
• No need to agree
• Big picture is okay
• Student centricity
• Skills definition and documentation
• Metrics – but which
• What can curriculum achieve for us
• Next challenges (AI, …)

Aims and Needs
• Time to Degree, what is holding us back?
• Competencies for 1st year, QE, Graduation
• Alignment of core and program work
• What are our mission and philosophy for teaching
• Coherence among Faculty
And look out for the unexpected

Will NOT measure quantum states of molecules
And look out for the unexpected

Will measure quantum states of molecules