

MS Biotechnology Innovation and Regulatory Science Plan of Study Overview

The Biotechnology Innovation and Regulatory Science (MS concentration) requires 33 credit hours. The program will consist of 10 courses and a directed project.

Required (Primary) – Technology Leadership and Innovation (TLI) core courses:

- IT 50700 Measurement and Evaluation in Industry and Technology
 - Credit Hours: 3
 - Offered: primarily fall semester
 - Course Name on POS: Meas/Eval Ind & Tech
- IT 50800 Quality and Productivity in Industry and Technology
 - Credit Hours: 3
 - Offered: primarily fall semester
 - Course Name on POS: Qual & Prod Ind & Tech
- IT 57100 Project Management in Industry and Technology
 - Credit Hours: 3
 - Offered: primarily spring semester
 - Course Name on POS: Proj Mgmt Ind & Tech
- IT 59800 MS Directed Projects (Pass/No Pass)
 - Credit Hours: 1-3 credit hours
 - Offered: primarily spring, summer and fall semesters
 - Course Name on POS: Directed MS Project
- TECH 64600 Analysis of Research in Industry and Technology
 - Credit Hours: 3
 - Offered: primarily spring semester
 - Course Name on POS: Anlys Res Ind & Tech

Biotechnology Innovation and Regulatory Science (concentration) core courses:

- TLI 52100 Drug Development
 - Credit Hours: 3
 - Offered: primarily spring and fall semester
 - Course Name on POS: Drug Development
- TLI 52200 Good Regulatory Practices
 - Credit Hours: 3
 - Offered: primarily offered fall semester
 - Course Name on POS: Good Regulatory Pract

Biotechnology Innovation and Regulatory Science (concentration) elective courses.

Pick 4 courses from this list:

- IT 53500 Global Supply Chain Management
 - Credit Hours: 3
 - Offered: primarily spring semester
 - Course Name on POS: Global Supply Chain Management
- IT 59000 Innovation & Strategy in Biotechnology
 - Credit Hours: 3
 - Offered: primarily offered fall semesters
 - Course Name on POS: Innovation & Strat in Biotech
- OLS 57900 Emerging World Class Leadership Strategies
 - Credit Hours: 3
 - Offered: primarily fall semester
 - Course Name on POS: World-Cls Ldrshp Strat
- TLI 52300 Quality Management, Audits & Inspections
 - Credit Hours: 3
 - Offered: primarily offered spring semesters
 - Course Name on POS: Qual Mgmt Audits
- TLI 52400 Documents and Dialogues of Drug Development and Registration
 - Credit Hours: 3
 - Offered: primarily offered spring or fall semesters
 - Course Name on POS: Doc & Dialog of Drug Dev & Regis
- TLI 52500 Molecular Basis in Manufacturing Pharmaceuticals
 - Credit Hours: 3
 - Offered: primarily offered summer semesters
 - Course Name on POS: Molec Basis Mfg Pharmaceutical
- IT 59000 Medical Devices and Diagnostics
 - Credit Hours: 3
 - Offered: primarily offered spring semesters
 - Course Name on POS: Medical Devices & Diagnostics

BIRS Advisory Committee:

- Chair: Kari L. Clase – TLIN + C6390
 - Member: Stephen Byrn – INPP + C1363
 - Member: Mary Speer – TLIN + C9971
- OR**
- Co-Chair: Kari L. Clase – TLIN + C6390
 - Co-Chair: Stephen Byrn – INPP + C1363
 - Member: Mary Speer – TLIN + C9971
- (Note: You cannot have a chair and a co-chair; it's either one chair or two co-chairs.)*

Helpful Tips:

- Primary definition is the courses required to successfully complete program
- Related definition is the electives you could choose as a primary
- Only courses which are awarded a grade are listed in the “Course Work” section.
- The Directed MS Project is a P/NP course. These credits will load automatically to the ‘P/NP’ section on the POS.
- Purdue courses that are more than five years old may **not** be used on a Plan of Study (POS).
- Late submission of the Plan of Study, late addition to the Graduate School Candidate list, or being on the Candidate list more than two consecutive sessions will result in a \$200 late fee.