

Packaging Curriculum Guide for PACKAGING SCIENCE TRACK (fall 2016 or later)

University Requirements—**PKG MAJORS DO NOT NEED ISP/ISB**

| Course | Credits | Prereqs | Semester Offered |
|-------------------|---------|------------------------------|------------------|
| WRA 110-150 | 4 | None | FS, SS, US |
| IAH 201-210 | 4 | Completion of Tier 1 writing | FS, SS, US |
| IAH 211 or higher | 4 | IAH 201-210 | FS, SS, US |
| ISS 200 level | 4 | None | FS, SS, US |
| ISS 300 level | 4 | ISS 200 Level | FS, SS, US |

Math and Science

| Course | Credits | Prereqs | Semester Offered |
|--|---------|--|-------------------------------------|
| CEM 141: General Chemistry | 4 | MTH 103 preferred | FS, SS, US |
| CEM 161: Chemistry Lab | 1 | CEM 141 or concurrently | FS, SS, US |
| CEM 143: Survey of Organic Chemistry | 4 | CEM 141 | FS, SS, US |
| PHY 231: Physics 1 | 3 | MTH 103 | FS, SS, US |
| PHY 232: Physics 2 | 3 | PHY 231 | FS, SS |
| FSC 342: Food Safety or MMG 201: Fundamentals of Microbiology | 3 | CEM 141 | FSC 342: FS only MMG 201: SS, US |
| MTH 132: Calculus 1 | 3 | MTH 103 and 114, or 116, or placement test | FS, SS, US |
| MTH 133: Calculus 2 | 4 | MTH 132 | FS, SS, US |
| STT 200, 201, or 315: Statistics | 3-4 | MTH 103 or higher | FS, SS, US |

****CEM 141, PHY 231, MTH 132 and MTH 133 MUST be complete prior to reaching 56 credits for junior admission to the PKG program. A 2.0 is required in these classes. A 3.0 overall GPA is required for junior admission****

****Substitutions for higher level math and science coursework completed are accepted****

Concentration area (PKG science or PKG Value Chain Management) selected by Junior year

Required Business/Economics

| Course | Credits | Prereq | Semester offered |
|---|---------|-----------------|------------------|
| EC 201: Microeconomics or EC 202: Macroeconomics | 3 | None | FS, SS, US |
| MKT 327: Intro to Marketing or SCM 303: Intro to Supply Chain Management | 3 | Junior standing | FS, SS, US |

Packaging Core—Science Track

| Course | Credits | Prereqs | Semester Offered |
|-------------------------------------|---------|---|------------------|
| PKG 101: Principles of PKG | 3 | None | FS, SS, US |
| PKG 102: Intro PKG seminar | 2 | PKG 101 or concurrent, PKG majors only | FS, SS |
| PKG 221: Glass and Metal | 2 | PKG majors, CEM 141, PHY 231, PKG 102 or concurrent, sophomore status | FS, SS |
| PKG 315: PKG Decision Systems | 3 | PKG major, MTH 132, PKG 221 or concurrent | FS, SS |
| PKG 322: Paper and Paperboard | 4 | PKG majors, CEM 143, STT 200, MTH 133, PKG 221 or concurrent | FS, SS |
| PKG 323: Plastics | 4 | PKG majors, CEM 143, STT 200, MTH 133, PKG 221 or concurrent | FS, SS |
| PKG 410: Distribution PKG Dynamics | 4 | PKG majors, PKG 322/323 | FS, SS |
| PKG 411: PKG Development Technology | 3 | PKG majors, PKG 322/323 | FS, SS |
| PKG 432: PKG Processes | 4 | PKG majors, PKG 322/323, PHY 232 | FS, SS |
| PKG 465: Packaging Value Chain | 3 | PKG majors, PKG 322/323 | FS, SS |
| PKG 485: PKG Development | 3 | PKG majors, all previous PKG core, senior standing | FS, SS |
| PKG 486: PKG senior capstone | 3 | PKG 485, senior standing | FS, SS |

PKG Electives—6 credits required

| Course | Credits | Prereqs | Semester Offered |
|---|---------|---|------------------|
| PKG 430: Packaging for Fast Moving Consumer Goods (FMCG) | 3 | PKG 322/323 | FS |
| PKG 470: Packaging Sustainability | 3 | PKG 315, 322, 323 | SS |
| PKG 444: RFID | 3 | PKG 322&323 | FS online |
| PKG 445: Robotics | 2 | PKG 322&323 recommended | SS online |
| PKG 450: Auto and Industrial PKG | 2 | PKG 322&323 recommended | FS online |
| PKG 452: Medical PKG | 4 | PKG 322 OR 323 | FS |
| PKG 455: Food PKG | 3 | PKG 322&323 | SS |
| PKG 477: Hazmat PKG | 3 | PKG 322 &323 recommended | US online |
| PKG 480: PKG Laws and Regulations | 3 | PKG 322 & 323 | SS online |
| PKG 490: Directed Studies DOES NOT COUNT TOWARD PKG ELECTIVES | 1-3 | Approval of professor Override Only | FS, SS, US |
| PKG 491: Special Topics | 1-4 | Varies—includes study abroad programs | FS, SS, US |
| PKG 493: Internship Maximum 6 credits—only counts toward PKG electives ONCE, second internships count as free electives | 3 | PKG 101, 221, 315, 322, 323. Override Only | FS, SS, US |

PACKAGING Value Chain CONCENTRATION

9 credits required, cannot double count with any classes taken previously to meet degree requirements. This is not an exhaustive list—consult with your advisor. At least one course must be at 300 level.

| Course | Credits | Prereqs | Semester Offered |
|---|---------|------------------------------------|------------------|
| EC 301: Intermediate Microecon | 3 | EC 201, MTH 132 | FS, SS, US |
| EC 302: Intermediate Macroecon | 3 | EC 202, MTH 132 | FS, SS, US |
| EC 340: Survey of International Economics | 3 | EC 201 and 202 | FS, SS, US |
| EC 360: Private Enterprise and Public Policy | 3 | EC 201 | FS, SS, US |
| EC 440: International Trade | 3 | EC 301 | FS |
| FI 320: Intro to Finance | 3 | none | FS, SS, US |
| MGT 325: Management Skills | 3 | Juniors and above | FS, SS, US |
| MKT 327: Intro to Marketing | 3 | Juniors and Above | FS, SS, US |
| SCM 303: Intro to Supply Chain | 3 | Juniors and Above | FS, SS, US |
| GBL 323: Intro to Business Law | 3 | None | FS, SS, US |
| FIM/ABM 222: Agribusiness and Food Industry Sales | 3 | EC 201 or 202 | FS, SS |
| FIM 220: Food Product Marketing | 3 | ABM/FIM 100 or concurrently | FS, SS |
| FIM 335: Food Marketing Management | 3 | FIM 220 and EC 201 and SCM 303 | FS, SS |
| ABM 225: Commodity Marketing 1 | 3 | EC 201 | FS |
| ABM425: Commodity Marketing 2 | 3 | STT 200, 201 or 315, ABM 225 | FS |
| ADV 375: Consumer Behavior | 3 | ADV 205 or concurrent | FS, SS |
| COM 300: Methods of Communication Inquiry | 4 | Completion of MSU math requirement | FS, SS, US |

****Students will need to take free electives to get to the degree requirement of 120 total credits. This will equal approximately 10-12 credits, depending on each individual student’s previous coursework. These credits can be used to meet prereqs for courses in their concentration, a minor, additional packaging electives or internships, or on any other coursework a student wishes to explore***