<table>
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<th>Timeframe</th>
<th>Action/Event</th>
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| Pre-program: six months   | 1. Application review and participant selection  
2. Online orientation sessions (one month and two weeks prior)  
3. Pre-election/Pre-Program participant survey |
| prior to start            |                                                                                                                                             |
| Week 1 - Orientation      | 1. Student registration (paper work, guest ID card, introduction to library, university internet system, and computing and experimental facilities at WSU)  
2. Deans and chairs’ overview of the college and departments, and introduction of all faculty mentors, graduate student assistants, and campus culture and safety (WSU Police)  
3. Skill development seminar (SDS) 1: Responsible Conduct of Research, and Ethics  
4. Research seminar (RS) 1: “Research Projects Overview”  
5. RS 2: “Fundamentals of Sustainable Manufacturing” |
| and Information Week     |                                                                                                                                             |
| Week 2                    | 1. Students conduct research in faculty mentors’ labs  
2. The PIs hold a weekly meeting with all students to engage them in discussion. Each student will be required to give a 5-10 min presentation; all faculty mentors are invited.  
3. SDS 2: Developing Academic Dialogue Skills  
4. Guest Speaker: Ford Motor Company |
| Week 3                    | 1-2. Same as Week 2: Activities 1-2  
3. Plant Visit (PV) 1: Automotive Manufacturing (Ford Rouge River Assembly Plant) |
| Week 4                    | 1-2. Same as Week 2: Activities 1-2  
3. RS 3: Multidisciplinary Sustainable Manufacturing Research and Collaboration |
| Week 5                    | 1-2. Same as Week 2: Activities 1-2  
3. PV 2: Chemical Manufacturing and Safety (BASF plant tour)  
4. Cultural Activity (CA) 1: Detroit Institute of Arts |
| Week 6 - Mid-Term         | 1. Students prepare a mid-program technical report (approved by faculty mentors) and give a 5-min Power-Point presentation.  
2. Guest Speaker: BASF  
3. RS 4: “Industrial Sustainability” (by an expert from Sustainability Systems, LLC) |
| Progress Presentation    |                                                                                                                                             |
| Week 7                    | 1-2. Same as Week 2: Activities 1-2  
4. RS 5: “Sustainability Assessment and Life Cycle Assessment Fundamentals” |
| Week 8                    | 1-2. Same as Week 2: Activities 1-2  
4. Lecture: Manufacturing USA Network (overview by PIs) |
| Week 9                    | 1-2. Same as Week 2: Activities 1-2  
3. SDS 4: Preparing for Graduate School: GRE, searching for a graduate program, funding opportunities for graduate students (guest speakers – one PhD student and one recent PhD graduate from industry)  
4. CA 3: Tour the Charles H. Wright African American History Museum  
5. PV 3: LIFT Tour (in Detroit, MI) |
| Week 10 - Research        | 1. Students submit final report summarizing research work and program experience.  
2. Poster symposium. All students required to give poster presentations to invited universities, participating departments, and industrial representatives.  
3. Farewell picnic at WSU |
| Symposium                 |                                                                                                                                             |
| Post-program: One week    | 1. Survey of student outcomes and experience (WSU Center for Urban Studies)  
2. Informal follow-up survey from directors to evaluate program activities/tours |
| Post-program: 6-9 months  | 1. Follow-up survey & questionnaire (additional follow-ups 1-3 years post program) |