Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences
### Graduation Plan: All tracks
The graduation plan consists of at least the following data/segments:

<table>
<thead>
<tr>
<th><strong>Personal information</strong></th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Student number</td>
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<tr>
<td>Telephone number</td>
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<td>Private e-mail address</td>
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<tr>
<th><strong>Studio</strong></th>
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<tr>
<td>Name / Theme</td>
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<td>Teachers / tutors</td>
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<td>Argumentation of choice of the studio</td>
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<tr>
<th><strong>Graduation project</strong></th>
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<td>Title of the graduation project</td>
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<th><strong>Goal</strong></th>
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<td>Location:</td>
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**THE POSED PROBLEM:**

The location of our design project is in a (industrial) area in Chicago, USA; called Pilsen. This area has two faces: small scale of neighborhood on the north side and large scale of industry on the south side. A key aspect of Pilsen is that the industry contains the cultural heritage of Pilsen. Pilsen, like other neighborhoods of Chicago, has long tradition of manufacturing. From the exist of Pilsen, industries has always been there in the area and industry, with its tradition of different scale of manufacturing, is continue to developing in the future. The industry makes Pilsen what is now.
From the research of current condition, we see a clear tension between the industry and the neighborhood. The main cause of this problem is lacking of understanding between them. Neighborhood want industry to leave, because of several problem that they created such as environmental problems like pollution. For example, a coal power plant called Fisk is recently shut down. Industries on other side, is necessary because of tax revenue and employment for the area. While there is a clear tension, industry and neighborhood needs each other for continue development of the whole area. In this sense, there is a duality in Pilsen: industry and neighborhood reciprocally establish relationship with each other.

Pilsen has its potentials because of the urban condition that is close to the city center of Chicago, reasonable infrastructure and new (cleaner) industries are rising in this area. Beside the development of industries, a new phenome that is trending in Pilsen are the booming creative art industries. Creative art industries are growing and create gentrifying effect slowly from east-Pilsen to west-Pilsen. Old, architectural interesting, heritage building are most re-used for creative art industries.

MAIN RESEARCH QUESTIONS:

*How could the understanding between neighborhood and industry of Pilsen being improved due architectural and urban interventions? In other words, how to bring industry and neighborhood together?*

*What kind of architectural interventions can negotiate the trend of growing creative industry of Pilsen?*

DESIGN ASSIGNMENT:

In order to create and improve understanding between neighborhood and industry, a mediating zone will be proposed on the level of urban intervention. From this main strategy, an architectural intervention will be developed to in order to bring the industry and neighborhood together as first step of individual design. This architectural intervention will also to negotiate the growing creative industry of Pilsen. The preliminary individual design will be a Creator Center where creative art related programs are embedded that has both aspect of industry and neighborhood: produce or manufacturing of physical art (small scale manufacturing/industrial) and produce of knowledge, where the locals can interact with art and the creation of art. In short, this Creators Center is for learning and fabrication that empowers people with (new) skills and possibilities and where different groups can interact with each other.
# Process

## Method description

The method of first phase mainly include several deep-sighted researched with three topics that are related to the assignment. These are: Living-Working relationships, education and manufacturing, and reshoring/future industrial perspective. These themed researches were developed in three research books to be a collective tool for each student. A study trip to the design location give us (new) insight of social and cultural backgrounds of the area and the city itself, which it can contribute to our further phases. The analysis and new findings of the study trip will be developed in an comprehensive atlas. I have contributed to the ‘Education and Manufacturing’ research book and infrastructure research of the atlas.

For the second, master plan phase we use the knowledge and findings what we’re gathered from the first phase. The strategy formed from the master plan phase will be developed and elaborated to a urban scale fragment of the master plan and a related building. The main vision for the master plan is to negotiate the neighborhood side and the industrial side of the area. From the main vision and the strategy of the master plan design, we begin our individual building design. In the further phase of graduation, the main focus are on the further researches and further development of project. The researches and project elaboration will be a complex and parallel process, that has intertwined relationship with each other. The researches will be consulting different sources and literatures. The project will be guide by using of the knowledge and inputs from the tutors and consulted researches.

## Literature and general practical preference


### Reflection

### Relevance
Research and to create of new relationship or form of negotiating between different actors by using of smart architectural and urban interventions. This new relationship can be an example of guidance for other (industrial) cities in the USA.

### Time planning

**Timeline before P2:**

- **Week 01:** Chair and assignment introduction, first operative studio meeting and forming of research groups.
- **Week 02:** Work on research books. 1st Pin-Up.
- **Week 03:** Work on research books. 1st Draft Research books
- **Week 04:** Work on research books.
- **Week 05:** Work on research books. 1st Draft Research books
- **Week 06:** Study trip to Chicago/Pilsen. Forming of ‘Atlas book’ group. Urban Analysis of Pilsen and Chicago
- **Week 07:** Reflection week.
- **Week 08:** P1 Final Presentation / Final research books and atlas book.
- **Week 09:** Assistance. Start phase 2: Master plan
- **Week 10:** Master plan vision / aim
- **Week 11:** Urban strategy
- **Week 12:** Urban strategy
- **Week 13:** Pin up. Exhibit Manifesto / Urban strategy
- **Week 14:** Holidays / Urban strategy
- **Week 15:** Urban strategy
- **Week 16:** Urban strategy
- **Week 17:** Urban strategy / Individual project / work on P2 report.
- **Week 18:** Urban strategy / Individual project / work on P2 report.
- **Week 19:** Individual project / work on P2 report / Conceptual physical model
- **Week 20:** 25th June P2.

Time Planning in graduation phase (P3-P5), the general process will be intertwined with research and design:

- **Week 21 till 25:**
  - Reflection on P2

**Individual Design:** Architectural intervention/ programmatic research of Creators Center. Further research of relationship between industry and neighborhood and atmosphere.

- Strengthen the design
- Further elaboration of urban scale 1:500 (urban plans)
- Further elaboration of building scale: 1:200 (plans and sections)
- Construction design 1:200 (construction plans and loadbearing diagrams)
Week 26 till 31:
Research of materialization/ atmosphere.
- Further elaboration of building scale: 1:200 (plans and sections)
- Construction design 1:200 (construction plans and loadbearing diagrams)
- Section zoom-in 1:50 or 1:20
- Preparing for P3 presentation: Posters / Physical models
- P3 presentation

Week 32 till 38:
- Further elaboration of building scale: 1:200 / 1:100 (plans and sections)
- Construction design 1:200 / 1:100 (construction plans and loadbearing drawings)
- Section zoom-in 1:50 or 1:20
- Detailing of critical part of the building: 1:10 / 1:5
- Preparing for P4 presentation: Posters / Physical models / Booklet
- P4 presentation

Week 38 till 42:
- Reflection / adjustment of critiques from P4 Presentation
- Preparing for P5 presentation: Posters / Physical models / Booklet
- P5 Presentation