

兰州大学信息科学与工程学院

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兰州大学信息科学与工程学院 计算机科学与技术专业（数据科学方向） 人才培养方案

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1. 工程知识

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2. 问题分析

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3. 设计/开发解决方案

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4. 研究

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5. 使用现代工具

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6. 工程与社会

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7. 环境与可持续发展

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9. 个人和团队

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10. 沟通

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11. 项目管理

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12. 终身学习

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关于教育部要求中外合作办学项目四个三分之一的补充说明:

(1) 该项目课程总数 52 门 (含教育部规定的通识必修课), 总学分 149, 其中引进外方课程 23 门, 引进外方课程占全部课程的比例为 $23/52=44.2\%$;

(2) 该项目专业核心课程为 18 门, 引进外方核心课程 18 门, 引进的专业核心课程占核心课程比例为: $18/18=100\%$;

(3) 部 52 , 18 ,
比 $18/52=34.6\%$;

(4) 部 2942, 972⁶,
比 $972/2942=33\%$ 。

⁶ 18

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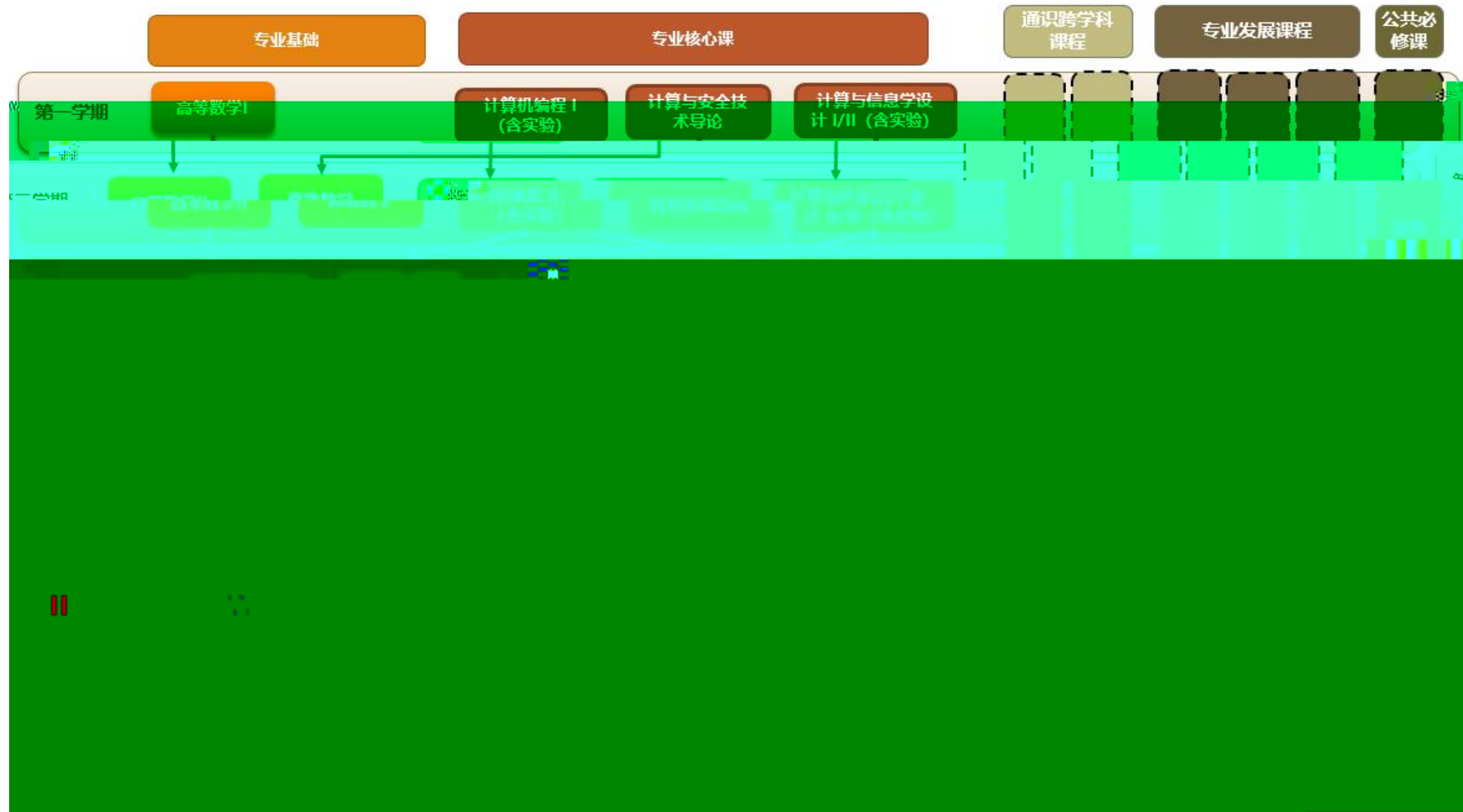
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| | | | | | | | | | 必 |
| 1 | | | | 4 | 72 | 72 | | 2 | 必 |
| 2 | II | | | 1 | 36 | 36 | | 2 | 必 |
| 3 | 、 II | | | 4 | 72 | 72 | | 2 | |
| 4 | II/III | | | 3 | 72 | 36 | 36 | 2 | 必 |
| 5 | | | | 3 | 54 | 54 | | 2 | 必 |
| 6 | 编 II | | | 3 | 72 | 36 | 36 | 2 | 必 |
| 7 | II | | | 4 | 72 | 72 | | 2 | 必 |
| 8 | | | | 3 | 54 | 54 | | 2 | 必 |
| 9 | (2) | | | 0.4 | 4 | 4 | | 2 | 必 |

: Drexel ; (1) ; (2) 1 , 1 。

| | | | | | | | | | |
|---|-----|--|--|---|----|----|----|---|---|
| | | | | | | | | | 必 |
| 1 | III | | | 1 | 36 | 36 | | 3 | 必 |
| 2 | | | | 3 | 54 | 54 | | 3 | 必 |
| 3 | | | | 4 | 72 | 72 | | 3 | 必 |
| 4 | | | | 1 | 36 | | 36 | 3 | 必 |

| | | | | | | | | | |
|----|-----|---------------|--|-----|----|----|----|---|---|
| | | | | | | | | | 必 |
| 5 | | | | 4 | 72 | 72 | | 3 | 必 |
| 6 | | | | 3 | 72 | 36 | 36 | 3 | 必 |
| 7 | 本 | | | 3 | 54 | 54 | | 3 | 必 |
| 8 | | ¹³ | | 3 | 54 | 54 | | 3 | 必 |
| 9 | (3) | | | 0.4 | 4 | 4 | | 3 | 必 |
| 10 | 编 | | | 3 | 72 | 36 | 36 | 3 | 必 |
| 11 | | | | 3 | 54 | 54 | | 3 | 必 |

: Drexel 1 , 1 。

| | | | | | | | | | |
|---|----|--|--|---|----|----|----|---|---|
| | | | | | | | | | 必 |
| 1 | IV | | | 1 | 36 | 36 | | 4 | 必 |
| 2 | | | | 3 | 72 | 36 | 36 | 4 | 必 |
| 3 | | | | 3 | 54 | 54 | | 4 | 必 |
| 4 | | | | 3 | 54 | 54 | | 4 | 必 |
| 5 | | | | 4 | 72 | 72 | | 4 | 必 |
| 6 | | | | 3 | 54 | 54 | | 4 | 必 |
| 7 | | | | 3 | 54 | 54 | | 4 | |

¹³

| | | | | | | | | | |
|----|--|-----|--|-----|----|----|----|---|---|
| | | | | | | | | | 必 |
| 8 | | | | 1 | 36 | | 36 | 4 | |
| 9 | | | | 3 | 54 | 54 | | 4 | 必 |
| 10 | | (4) | | 0.4 | 4 | 4 | | 4 | 必 |

: Drexel : (1) ; (2) 1 , 1 。

| | | | | | | | | | |
|---|--|--|--|-----|----|--|----|---|---|
| | | | | | | | | | 必 |
| 1 | | | | 1.5 | 54 | | 54 | 5 | 必 |
| 2 | | | | 1.5 | 54 | | 54 | 5 | 必 |
| 3 | | | | 2 | 72 | | 72 | 5 | 必 |
| 4 | | | | 1.5 | 54 | | 54 | 5 | |
| 5 | | | | 1.5 | 54 | | 36 | 5 | |
| 6 | | | | 1.5 | 54 | | 54 | 5 | |

: “ ” , “ ” 部 。

| | | | | | | | | | |
|---|--|--|--|---|----|--|----|---|---|
| | | | | | | | | | 必 |
| 1 | | | | 2 | 72 | | 72 | 6 | 必 |

| | | | | | | | | | |
|---|--|--|--|-----|----|--|----|---|---|
| | | | | | | | | | 必 |
| 2 | | | | 1.5 | 54 | | 54 | 6 | 必 |
| 3 | | | | 1.5 | 54 | | 54 | 6 | 必 |
| 4 | | | | 2 | 36 | | 36 | 6 | |
| 5 | | | | 3 | 54 | | 54 | 6 | |
| 6 | | | | 2 | 36 | | 36 | 6 | |

| | | | | | | | | | |
|---|--|--|--|---|----|----|--|---|---|
| | | | | | | | | | 必 |
| 1 | | | | 2 | 36 | 36 | | 7 | |